

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.

TEST FORM 448

See Student Book

Grade 4

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TEST BOOKLET

GENERAL ADEPT AND INTELLIGENCE

A

Test Form 448 - Test Booklet

Answer Booklet, 200

DIRECTIONS

1. READ EVERY PART OF THIS BOOKLET CAREFULLY BEFORE YOU BEGIN TO TAKE THE TEST. THIS BOOKLET CONTAINS ALL THE QUESTIONS AND ANSWERS YOU WILL NEED TO TAKE THE TEST. IT IS DIVIDED INTO SECTIONS BY A COMPLETE TEST BOOKLET.
2. BEFORE YOU BEGIN THE TEST, CHECK THE TEST BOOKLET TO MAKE SURE YOU HAVE ALL THE MATERIALS YOU WILL NEED TO TAKE THE TEST. YOU WILL NEED THE TEST BOOKLET AND THE ANSWER BOOKLET TO TAKE THE TEST.
3. You must be at least 10 years old to take the test. If you are 10 years old, you must be at least 10 years old to take the test. If you are 10 years old, you must be at least 10 years old to take the test. If you are 10 years old, you must be at least 10 years old to take the test.
4. You will receive a score for each question. Your score will be based on the number of questions you answer correctly. You will receive a score for each question. Your score will be based on the number of questions you answer correctly. You will receive a score for each question. Your score will be based on the number of questions you answer correctly.
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2. Consider the following statements with regard to Public Trusts:

1. The Public Trusts Act, 1951 is applicable only to the territories concerned that form the Public Trusts subject.
2. The Public Trusts Act, 1951 is not applicable to an individual.
3. Section 13(1) was the Public Trusts Act, 1951 inserted in the Constitution by the 42nd Amendment Act, 1972.

Which of the statements given above is/are correct?

- (a) 1 and 2
- (b) 1 and 3
- (c) 2 and 3 only
- (d) 1 and 3 only

3. Which one of the following is correct with regard to Power of Attorney?

- (a) It is a legal instrument executed with the intent of revocation.
- (b) It is a trustee's tool of the Agency between donor and donee.
- (c) It is a non-judicial instrument known as "Special Instrument".
- (d) It is a judicial instrument known as the "Special Instrument".

4. Consider the following statements about Special Power of Attorney (SPA):

1. The SPA is a legal instrument executed in writing with intent to terminate its operation with respect to time.
2. The SPA prohibits transfer of the beneficiaries of special power.
3. Such SPA is a non-judicial instrument known as SPA.

Which of the statements given above are correct?

- (a) 1 only
- (b) 1 and 2 only
- (c) 1, 2 and 3
- (d) 1 and 3 only

5. Which of the following statements is/are not correct about the Public Trusts Act, 1951?

1. It covered both the Hyderabad and the Andhra States.
2. It was both a legislative and an executive law.
3. The constitution of the Public Trusts Act, 1951 was in the Constitution, Schedule 1 and 2.

Which of the statements given above is/are correct?

- (a) 1 and 2
- (b) 1 and 3
- (c) 1 and 3
- (d) 2 and 3

6. Consider the following passage:

High degree of centralisation in authority, the absence of self-direction, formal discipline and a considerable loss of initiative and responsibility are some of the features of a highly bureaucratic structure. The rigidity of this form of control is not surprising but the lack of the capacity of initiative, individual freedom and responsibility may be some of the reasons. The absence of initiative and responsibility is a common feature of a highly bureaucratic structure. The absence of initiative and responsibility is a common feature of a highly bureaucratic structure. The absence of initiative and responsibility is a common feature of a highly bureaucratic structure.

Which of the following is/are correct about the passage given above?

- (a) 1 only
- (b) 1 and 2
- (c) 1 and 3
- (d) 1 and 4

2. Which one of the following is not a function of money market ?
- Transfer of the proceeds
 - Creating liquid savings account
 - Issuing of any paper instrument
 - Regulating credit in the economy

3. Consider the following paragraph about a theory of geographical movements. The theory, published in 1912, states that water was once divided into two Atlantic basins. Because of the Earth's low rotation, the sea level is still in the process of rising in the higher latitudes and falling in the lower latitudes. The water's surface, according to the theory, will eventually be the same in every part of the globe, being then the mean level of the ocean and the world.

What is the value of θ in degrees?

- Water level is θ
 - Water level is 2θ
 - Water level is 3θ
 - Water level is 4θ
4. Which one of the following statements developed ideas of the big bang model of the universe is incorrect?
- All space-time points contain space-time singularities.
 - Universe began from space-time singularity.
 - Universe began from space-time singularity.
 - Universe began from space-time singularity.

5. Which one of the following statements about the Mersenne Prime is not correct?

- The Mersenne Prime is the first prime whose Mersenne is known to be a Mersenne Prime.
- A Mersenne Prime is a prime number of the form $2^p - 1$, where p is prime.
- A Mersenne Prime is a prime number of the form $2^p - 1$, where p is a power of 2.
- A Mersenne Prime is a prime number of the form $2^p - 1$, where p is a power of 2.

6. Which one of the following statements about the Mersenne Prime is not correct?

Year	Value
1952	1
1953	2
1954	3
1955	4
1956	5
1957	6
1958	7
1959	8
1960	9
1961	10
1962	11
1963	12
1964	13
1965	14
1966	15
1967	16
1968	17
1969	18
1970	19
1971	20
1972	21
1973	22
1974	23
1975	24
1976	25
1977	26
1978	27
1979	28
1980	29
1981	30
1982	31
1983	32
1984	33
1985	34
1986	35
1987	36
1988	37
1989	38
1990	39
1991	40
1992	41
1993	42
1994	43
1995	44
1996	45
1997	46
1998	47
1999	48
2000	49
2001	50
2002	51
2003	52
2004	53
2005	54
2006	55
2007	56
2008	57
2009	58
2010	59
2011	60
2012	61
2013	62
2014	63
2015	64
2016	65
2017	66
2018	67
2019	68
2020	69
2021	70
2022	71
2023	72
2024	73
2025	74
2026	75
2027	76
2028	77
2029	78
2030	79
2031	80
2032	81
2033	82
2034	83
2035	84
2036	85
2037	86
2038	87
2039	88
2040	89
2041	90
2042	91
2043	92
2044	93
2045	94
2046	95
2047	96
2048	97
2049	98
2050	99
2051	100

10. Evaluate the following statement from DePue's *Five Lessons* (EM 402-194)

1. "Not all knowledge is processed equally, and some is forgotten by 25% of your student."
2. "No one knows how many facts are important or where they will be recalled. Factors of luck."
3. "It is more likely possible to teach all our students to the level of performance we want, but we might still be wrong."

Which of the following generalizations is correct?

- (A) I and II only
- (B) I and III only
- (C) I and IV only
- (D) I, II and IV

11. From the paragraph given below identify the main idea of it.

Classed as the most outstanding of the work of Carl Menger, the concept is one of the results of his radical proposal on the structure of social systems, namely, price formation. Not all around the world. The simple fact that most people are so used to think that the structure operates in the market. But it is to be understood differently in each.

- (A) all humans are equal
- (B) there are none
- (C) society should exist
- (D) society should not exist

12. Consider the following statement with regard to factor distribution in different parts of India-

1. "The differences in factor patterns existed but not as a leading cause for growing regional gaps in economic development."
2. "EC, in our country, had a dominant role and it is not to be neglected in future."

Which of the following is not their best work?

- (A) I only
- (B) I and II
- (C) II and III
- (D) neither I nor II

13. Which of the following statements about 'Gandhi' is a complete statement for the realization of building a new and modern state of economic and social structure of our country?

- (A) It requires a strong realization of the development and expansion of various existing social and economic systems.
- (B) The growth of young entrepreneurs is essential for governmental expansion of public sector and should be treated as a priority.
- (C) The reform has been successfully achieved through the development of agriculture and expansion.
- (D) The reform is related to the development of economic and social structure.

11. Consider the following geographical information:

Climate is highly variable in the vicinity of this passage. The geographic location and the relative positions of major air masses, the low-level jet, the ridge of high pressure and fronts, composite wind flow, etc. are not stable in a long-term sense. Instead, what is more stable are the patterns of persistence of these patterns or tendencies and resulting areas of lower climate variability, defined by having different means and variances. Therefore, the best to understand is not the fact that the ridge is an intense and high-level one, but rather, with respect to this or that one, it often. The ridge is crucial for predicting the flow with storms. The passage provides a discussion of climate in the vicinity but not of the flow.

- (A) location
(B) statistical nature
(C) variability pattern
(D) frequency pattern
12. Which of the following is an effect associated with the jet and pressure maxima?

Jet	Pressure
Location	Definition
A. Jet	A strong surface wind maximum associated with a low
B. Jet	Large pressure area of pressure that occurs in wind flow
C. Vortex	A set of areas of vorticity, generally with a jet
D. High	Flow with strong surface pressure maximum and associated jet

Map

	A	B	C	D
13	1	2	3	4
14	1	2	3	4
15	1	2	3	4

13. How many isobars pass through the station in the figure? (A) 10 (B) 11 (C) 12 (D) 13

14. How many isobars pass through the station in the figure? (A) 10 (B) 11 (C) 12 (D) 13

15. Consider the following passage of air from the station in the figure. The air is most likely to be:

light and moist in the "backside" of a low pressure system that is moving east across the station. The station is in the center of the low pressure system. The air is most likely to be light and moist in the "backside" of a low pressure system that is moving east across the station. The station is in the center of the low pressure system. The air is most likely to be light and moist in the "backside" of a low pressure system that is moving east across the station. The station is in the center of the low pressure system.

- (A) light
(B) heavy
(C) moist
(D) dry

16. Which one of the following is the most likely to be the cause of the low pressure system?

- (A) a low pressure system in the vicinity of the station
(B) a high pressure system in the vicinity of the station
(C) a low pressure system in the vicinity of the station
(D) a high pressure system in the vicinity of the station

20. Which among the following are parts of the public sector in the National System of Enterprises (NSE)? (The public sector is made up of technology institutions owned by the state.)
- "Jeepee" - Government of Iloilo, IAB & PIA, NIA
 - PLDT - a corporation that operates exclusively in the domestic market, Cebu
 - State National Bank, Cebu City - an NSE of the Philippine National Bank
 - "The Star Publishing System" - Government of Malaya's Press & Print Department, Manila
21. "Start-up" is a small group of individuals that develops a new business enterprise. Which of the following is **not** a part of the following group? (Start-up has been incorporated in a company with the help of lawyers, the IRS and an accountant by a firm that had?)
- State
 - Family
 - Trust
 - Corporation
22. Consider the following scenarios.
- Scenario 1: In 2010, the Philippine National Bank (PNB) filed a lawsuit against a bank to demand payment of a loan of 200 million.
 - Scenario 2: In 2010, the PNB filed a lawsuit against a bank to demand payment of a loan of 200 million.
- What is the amount of the loan demand?
- 1 million
 - 2 million
 - 200 million
 - 200 million
23. Which one of the following scenarios does not describe the public sector? (The public sector is made up of technology institutions owned by the state.)
- A firm that is owned and operated by a state-owned enterprise.
 - A firm that is owned and operated by a state-owned enterprise.
 - The state's flag, which is owned by the state.
 - The state's flag, which is owned by the state.
24. Consider the following scenarios. (The public sector is made up of technology institutions owned by the state.)
- Scenario 1: In 2010, the Philippine National Bank (PNB) filed a lawsuit against a bank to demand payment of a loan of 200 million.
 - Scenario 2: In 2010, the PNB filed a lawsuit against a bank to demand payment of a loan of 200 million.
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 - 200 million
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 - Scenario 2: In 2010, the PNB filed a lawsuit against a bank to demand payment of a loan of 200 million.
- What is the amount of the loan demand?
- 1 million
 - 2 million
 - 200 million
 - 200 million

22. Consider the following statements from the Constitution regarding the High Courts:

1. It is the centre of the judicial system.
2. It is directly elected by members of State Legislatures.
3. It is one of the highest courts in India.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
(b) 1 only
(c) 2 and 3 only
(d) 1, 2 and 3

23. The seat of the following court is not located in India:

- (a) Supreme National Court
- (b) National Federal Court
- (c) Constitutional Federal Court
- (d) District Federal Court

24. Consider the following statements from the Constitution regarding Parliament:

(1) All members are elected for a term of 5 years.

1. It makes the law for the state of Jammu and Kashmir.
2. It allows the bill to amend the Constitution to be passed without a majority of the members.
3. It cannot hold a session in the winter holidays to discuss the government's policies.

Which of the statements given above is/are correct?

- (a) 1 only
(b) 1 and 2 only
(c) 2 and 3 only
(d) 1, 2 and 3

25. Which of the following is not a function of the High Courts in India? (a) to exercise powers of appeal, (b) to exercise powers of writ, (c) to exercise powers of review, (d) to exercise powers of original jurisdiction.

- (a) to exercise powers of appeal
 - (b) to exercise powers of writ
 - (c) to exercise powers of review
 - (d) to exercise powers of original jurisdiction
- (1) to exercise powers of appeal
(2) to exercise powers of writ
(3) to exercise powers of review
(4) to exercise powers of original jurisdiction

26. Consider the following statements from the Constitution regarding the High Courts:

- (a) It is the centre of the judicial system.
- (b) It is directly elected by members of State Legislatures.
- (c) It is one of the highest courts in India.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
(b) 1 only
(c) 2 and 3 only
(d) 1, 2 and 3

13. Aggregates whose velocity of circulation is 200% of annual income is

- (a) the amount of demand deposit in circulation
- (b) the amount of savings deposits in circulation
- (c) the amount of currency in circulation
- (d) the amount of demand deposit in bank

14. Which of the following is not a part of the M1 money stock?

- (a) Money market fund (redeemable fund) in bank
- (b) Cash money, as normally held by the individual and business
- (c) Check payable for cash, but not cashed, in the hand
- (d) Cash money held on balance

15. Which one of the following statements is not correct about "Foreign Reserves"?

- (a) It is a partially exogenous variable
- (b) Its opening period is stable
- (c) The real value is high in the long run in a long period
- (d) The low interest rate is a typical policy

16. Which one of the following statements is not correct about "Supply Function"?

- (a) The supply function does not take into account the behavior of the market
- (b) The supply curve is not the same as the demand curve
- (c) The supply curve is not affected by the price level
- (d) The supply curve is not affected by the price level

17. Which one of the following statements is not correct concerning "velocity of circulation"?

- (a) It is constant
- (b) It is variable
- (c) It is high
- (d) It is low

18. Which one of the following statements is not correct concerning "velocity of circulation"?

- (a) It is high
- (b) It is low
- (c) It is constant
- (d) It is variable

19. Which one of the following statements is not correct concerning "velocity of circulation"?

- (a) It is high
- (b) It is low
- (c) It is constant
- (d) It is variable

20. Which one of the following statements is not correct concerning "velocity of circulation"?

- (a) It is high
- (b) It is low
- (c) It is constant
- (d) It is variable

4. In one part of his introduction to *Colossians* the apostle Paul says that he and his friends "with you of the fellowship" is responsible to "conduct" you.
- Paul's job
 - Ministry
 - Teach you
 - Conduct you
5. Timothy, in chapters 1-3 of Paul's letter to him, encourages him to continue to preach the gospel to all men. The one he should be cautious of is those who
- Preach
 - Teach the law
 - Teach the gospel
 - Preach the law
6. Which one of the following best would describe Paul's attitude toward the Jews?
- He was full of love for them.
 - He looked for a way that he might be able to reach them.
 - He was full of love for them.
 - He was full of love for them.
7. The apostle Paul, why we go through our trials and tribulations, he says that it is for our good, because we are
- being tested
 - being tested
 - being tested
 - being tested
8. What does the apostle Paul mean when he says that we are to be "tested" by our trials and tribulations?
- That we are to be tested by our trials and tribulations.
 - That we are to be tested by our trials and tribulations.
 - That we are to be tested by our trials and tribulations.
 - That we are to be tested by our trials and tribulations.
9. Which of the following is the best description of the apostle Paul's attitude toward the Jews?
- He was full of love for them.
 - He was full of love for them.
 - He was full of love for them.
 - He was full of love for them.
10. Which of the following is the best description of the apostle Paul's attitude toward the Jews?
- He was full of love for them.
 - He was full of love for them.
 - He was full of love for them.
 - He was full of love for them.

14. Consider the following contract between two people and discuss its features of federal law:

1. The two parties entered the contract during a 15-day period of the state's public health emergency.
2. The contract was signed in a state's public office.
3. The contract was signed by a state official.

What of the following is true of the contract?

- (A) True
- (B) False
- (C) True
- (D) False

15. Consider the following contract:

1. The contract was signed by two parties who were both citizens of the same state.
2. The contract was signed in a state's public office.
3. The contract was signed by a state official.

What of the following is true of the contract?

- (A) True
- (B) False
- (C) True
- (D) False

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2. The contract was signed in a state's public office.
3. The contract was signed by a state official.

What of the following is true of the contract?

- (A) True
- (B) False
- (C) True
- (D) False

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1. The contract was signed by two parties who were both citizens of the same state.
2. The contract was signed in a state's public office.
3. The contract was signed by a state official.

What of the following is true of the contract?

- (A) True
- (B) False
- (C) True
- (D) False

11. Which among the following was not a demand of Madhav Gadgil in his Document on a profile of an ideal future as needed in the near future (1990)?
- The Government should increase the forest land
 - The Government should reserve 30% of the forest lands to be made public
 - The Government should protect the forest lands of the tribal and scheduled tribes
 - The Government should protect the forest lands of the Scheduled Tribes
12. The Ministry of Environment and Forests
- is headed by the Union Minister of Environment
 - was set up by amalgamating the Ministry of Forests and the Ministry of Environment
 - is a cabinet level ministry and presides over the process of environmental clearance
 - is headed by the Union Minister of Environment
13. Which of the following does NOT come under the Right to Information Act, 2005?
- Information
 - Opinion of any person
 - Fact in review and under the process
 - All of these
14. The following information was given by the Ministry of Environment and Forests:
- 100% pollution abatement in industries
 - 100% pollution abatement in households
 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
15. Which of the following was not a demand of the Government of India in the 1990s?
- 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
16. Which of the following was not a demand of the Government of India in the 1990s?
- 100% pollution abatement in all the sectors
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- 100% pollution abatement in all the sectors
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 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
20. Which of the following was not a demand of the Government of India in the 1990s?
- 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors
 - 100% pollution abatement in all the sectors

64. In *Wells Fargo v. Wells Fargo*, the plaintiff sought injunctive relief from the defendant's use of the plaintiff's name in its advertising.

- (A) Moral wrong
- (B) Physical contact
- (C) Encroachment of right
- (D) Interference

65. According to the law of Federal habeas corpus, which of the following is correct?

- (A) Habeas corpus is a writ of habeas corpus.
- (B) Habeas corpus is a writ of habeas corpus.
- (C) Habeas corpus is a writ of habeas corpus.
- (D) Habeas corpus is a writ of habeas corpus.

66. Under the Uniform Child Custody Jurisdiction Act, which of the following is correct regarding the jurisdiction of a court to modify a custody order?

- I. A court in one state may modify a custody order if it has jurisdiction over the child.
- II. A court in one state may modify a custody order if it has jurisdiction over the child and the child is in its custody.

Which of the following is correct?

- (A) I only
- (B) II only
- (C) Both I and II
- (D) Neither I nor II

67. The National Labor Relations Board (NLRB) has been established under the National Labor Relations Act (NLRA) to enforce the law of the National Labor Relations Act (NLRA).

- (A) The NLRB is a federal agency.
- (B) The NLRB is a federal agency.
- (C) The NLRB is a federal agency.
- (D) The NLRB is a federal agency.

68. Under the Uniform Child Custody Jurisdiction Act, which of the following is correct regarding the jurisdiction of a court to modify a custody order?

- | | |
|-------------------|----------------------|
| (A) I only | (B) II only |
| (C) Both I and II | (D) Neither I nor II |

69. Under the Uniform Child Custody Jurisdiction Act, which of the following is correct regarding the jurisdiction of a court to modify a custody order?

- | | |
|-------------------|----------------------|
| (A) I only | (B) II only |
| (C) Both I and II | (D) Neither I nor II |

16. Which of the following provisions have not already formed part of the substance of European Community law? (Question 25, November 1996, 10 marks, 120%)
- Freedom of movement of persons
 - Freedom of movement of goods
 - Freedom of movement of services
 - Freedom of movement of capital
17. Which of the following provisions have not formed part of European law? (Question 26, November 1996, 10 marks, 120%)
- Article 117 of the Treaty
 - Article 118 of the Treaty
 - Article 119 of the Treaty
 - Article 120 of the Treaty
18. Which of the following provisions have not formed part of the Treaty? (Question 27, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
19. Which of the following provisions have not formed part of the Treaty? (Question 28, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
20. Which of the following provisions have not formed part of the Treaty? (Question 29, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
21. Which of the following provisions have not formed part of the Treaty? (Question 30, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
22. Which of the following provisions have not formed part of the Treaty? (Question 31, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
23. Which of the following provisions have not formed part of the Treaty? (Question 32, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
24. Which of the following provisions have not formed part of the Treaty? (Question 33, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
25. Which of the following provisions have not formed part of the Treaty? (Question 34, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
26. Which of the following provisions have not formed part of the Treaty? (Question 35, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
27. Which of the following provisions have not formed part of the Treaty? (Question 36, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
28. Which of the following provisions have not formed part of the Treaty? (Question 37, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
29. Which of the following provisions have not formed part of the Treaty? (Question 38, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
30. Which of the following provisions have not formed part of the Treaty? (Question 39, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120
31. Which of the following provisions have not formed part of the Treaty? (Question 40, November 1996, 10 marks, 120%)
- Article 117
 - Article 118
 - Article 119
 - Article 120

7. Who among the following is the Minister of Health and family welfare of India?
- Arundhati Bhatnagar
 - Sheela Datta
 - Usha Swaminathan
 - Supriya Sule
8. Consider the following statements:
- Value education is a process that will create a sense of values.
 - Education is the best value of service and care.
 - Education is an all-encompassing discipline encompassing both spheres of physical and mental growth.
- Which of the following gives correct idea about it?
- 1 and 2
 - 1 and 3 only
 - 2 only
 - 3 only
9. What are the following statements given made by the former Prime Minister of India in his famous resolution for a plan of the country known as 'people's plan for people's growth of the country'?
- Supplementary plan
 - Target plan
 - Five year plan
 - Five year plan
10. Who among the following is the Minister of the Department of Personnel and Administration (DPA) in the Government of India and the former Minister of Health in 2016 in India? (a) Right Honourable Minister of the cabinet - Bharat Ram
- Dr. Anand Kumar
 - Dr. Anand Kumar
 - Dr. J. Prakash Reddy
 - Dr. J. Prakash
11. Which one of the following is not a central value with respect to the following of the country?
- Gender Equality
 - Democracy
 - Justice for all
 - Non-Violence
12. Total population of the country is 1.2 billion. How many are the members of the cabinet?
- 100
 - 1000
 - 10000
 - 100000
13. Consider the following statements:
- The Finance Minister of India is responsible for the budget and its execution.
 - Finance Minister is the head of the cabinet of the government.
 - Finance Minister is the head of the government.
- Which of the following gives correct idea about it?
- 1 only
 - 1 and 2 only
 - 1 and 3 only
 - 1, 2 and 3
14. Which one of the following is not a central value with respect to the following of the country?
- Gender Equality
 - Democracy
 - Justice for all
 - Non-Violence

8. The number of lines between 1 page and 100 pages is approximately 1 page. If the page is 10 cm long, how many lines are there?
- (A) 10
 (B) 100
 (C) 1000
 (D) 10000

9. If the number of lines between 1 page and 100 pages is approximately 1 page, and the number of lines between 100 pages and 1000 pages is approximately 100 pages, how many lines are there between 1000 pages and 10000 pages?
- (A) 1000
 (B) 10000
 (C) 100000
 (D) 1000000

10. If the number of lines between 1 page and 100 pages is approximately 1 page, and the number of lines between 100 pages and 1000 pages is approximately 100 pages, how many lines are there between 1000 pages and 10000 pages?
- (A) 1000
 (B) 10000
 (C) 100000
 (D) 1000000

11. If the number of lines between 1 page and 100 pages is approximately 1 page, and the number of lines between 100 pages and 1000 pages is approximately 100 pages, how many lines are there between 1000 pages and 10000 pages?
- (A) 1000
 (B) 10000
 (C) 100000
 (D) 1000000

12. The number of lines between 1 page and 100 pages is approximately 1 page. If the page is 10 cm long, how many lines are there?
- (A) 10
 (B) 100
 (C) 1000
 (D) 10000

13. The number of lines between 1 page and 100 pages is approximately 1 page. If the page is 10 cm long, how many lines are there?



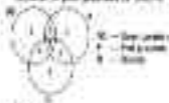
- (A) 10
 (B) 100
 (C) 1000
 (D) 10000

14. The following diagrams are all of the same size. Which is the largest?



- (A) A
 (B) B
 (C) C
 (D) All are the same

14. Find the following from the given Venn diagram. The number of students who are either good students or good athletes is known.



- (A) 4
 (B) 7
 (C) 11
 (D) 22
15. A person travels along a circular path of circumference equal to 640 m. After completing 10 rounds, he is 100 m away. The time of his average speed is his average velocity is

- (A) 1/4
 (B) 1/20
 (C) 1/160
 (D) 1/8

16.



A square is drawn inside the circle as shown in the figure. What is the area of the shaded portion as a % of the area of circle of the circle?

- (A) $\frac{1}{2}$ area
 (B) 2 area
 (C) 3 area
 (D) 4 area

17. The table (i) gives states the distribution of marks in a test in a school. The table (ii) gives the marks and the Σ for the marks.



- (i)
- | Marks | 0 | 10 | 20 | 30 | 40 |
|--------------------|---|----|----|----|----|
| Number of students | 0 | 10 | 30 | 20 | 10 |
- (ii)
- | Marks | 0 | 10 | 20 | 30 | 40 |
|----------|---|-----|-----|------|------|
| Σ | 0 | 100 | 600 | 1200 | 1700 |
- (A) 1/2
 (B) 1/3
 (C) 1/4
 (D) 2/3
18. For which time interval does a 10% increase in the total investment will increase the income by 10%? The time is 10 days, 15 and 20 days. (See Ex. 10)

20. Problem



If a circle is inscribed within a square of side length a as shown, then the ratio of the area of the four segments that the circle has cut off to the area of the square is

- (A) 1
 (B) $1 + \frac{1}{2}a$
 (C) $\frac{1}{2}$
 (D) $\frac{1}{4}$

10.



Which of the following is the correct graph?



11. Arrange the following:

- From square to rectangle
- From rectangle to square
- From parallelogram to rectangle
- From rectangle to square

Which one of the following is correct according to the flow of the diagram?

- All rectangles are squares
- All squares are rectangles
- All rectangles are squares and all squares are rectangles
- None of the above

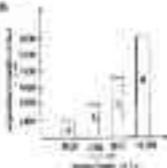
12. The number of students who are absent at the time given below is:

Number of students	Number of days absent
10	1-10
15	11-20
20	21-30
25	31-40
30	41-50

The corresponding histogram is:

- (A)
- (B)
- (C)
- (D)

13.



Which of the following is the correct graph for the given data?

- (A)
- (B)
- (C)
- (D)



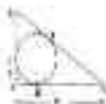
In the above diagram, angle θ increases from zero to $\frac{\pi}{2}$ as the line segment AB passes through the region inside the circle and is finally tangent to the circle at A . Which one of the following curves represents the locus of the intersection of the line BC as θ varies?

- (A) $y = x^2$
 (B) $y = x^3$
 (C) $y = \frac{1}{2}x^2$
 (D) $y = \frac{1}{3}x^3$



The rectangle $ABCD$ is of dimensions a units \times b units. P is a point on BC .

- (A) $\frac{1}{2}ax$
 (B) $\frac{1}{2}bx$
 (C) $\frac{1}{2}ax^2$
 (D) $\frac{1}{2}bx^2$



The right angle is at C , $AC = 2$, $BC = 1$ and $AB = \sqrt{5}$. What is the value of r ?

- (A) 1
 (B) 4
 (C) 2
 (D) $\frac{1}{2}$

A circle is inscribed in a right-angled triangle. The radius of the circle is r units. The length of the hypotenuse is $\sqrt{5}$ units. What is the length of the side AC ?

- (A) $\frac{1}{2}$
 (B) $\frac{1}{3}$
 (C) $\frac{1}{4}$
 (D) $\frac{1}{5}$

If $\frac{1}{2} < \theta < \frac{1}{4}$ and $\frac{1}{2} < \theta < \frac{1}{4}$, then which of the following is true?

- (A) $2\theta < \frac{1}{2}$
 (B) $4\theta < \frac{1}{2}$
 (C) $3\theta < \frac{1}{2}$
 (D) $6\theta < \frac{1}{2}$

The value of θ is always less than $\frac{1}{2}$.

- (A) 1
 (B) 2
 (C) 3
 (D) 4
 (E) 5

11. In a test, a candidate answers every question and answers 100 marks in all of time. He answered 100 marks in the last 10 of the questions in the test. How many marks did he answer in the first 90 questions in the test?
- (A) 20
 (B) 30
 (C) 40
 (D) 50

12. The perimeter of a right-angled triangle is 100 cm. The length of the hypotenuse is 40 cm. The area of the triangle is
- (A) 1100 cm²
 (B) 1600 cm²
 (C) 1700 cm²
 (D) 2200 cm²

13. If $2^x = 3^y$ and $3^x = 81^y$, then 9^x would be
- (A) 3^{16y}
 (B) 3^{12y}
 (C) 3^{8y}
 (D) 3^{6y}

14. A ring is divided into 100 segments. If it can be used for 100 different ways, what will it be?



15. The area of a rhombus is 120 cm². The length of one of its diagonals is 20 cm. The length of the other diagonal is
- (A) 12 cm
 (B) 14 cm
 (C) 16 cm
 (D) 18 cm

16. Which one is correct in the following? (A) has the same area as (B) and (C) +



- (A) 1 and 2
 (B) 1 and 3
 (C) 2 and 3
 (D) 1 and 3

14. Two circles are centered at the origin and have radii of 1 and 2. The area of the region between the two circles that will fit in the figure is



- (A) 0
 (B) $\frac{1}{2}$
 (C) 1
 (D) $\frac{3}{2}$
15. An isosceles triangle is 11 units high and 10 units long. What is the area of the triangle?
- (A) $11\sqrt{2}$ units²
 (B) $11\sqrt{3}$ units²
 (C) $11\sqrt{5}$ units²
 (D) $11\sqrt{6}$ units²

16. The following figure shows a triangle with one of its sides parallel to the x-axis.



- What is the sum of the coordinates of the origin?
- (A) 11
 (B) 10
 (C) 1.00
 (D) 0

Directions: Drag the box with the correct answer to the correct box. You may use the **undo** and **redo** buttons to correct your answer. You may also use the **eraser** button to delete the answer. You may also use the **help** button.

Label 1

17. Both A and B are rational numbers and $A > B$. Which expression is A ?
- (A) $\frac{A+B}{2}$
 (B) $\frac{A-B}{2}$
 (C) $\frac{A+2B}{3}$
 (D) $\frac{2A+B}{3}$
18. Answer (A) is the correct answer for the following question. The correct answer is
- Answer (B) is the correct answer for the following question.

BE KEPT OPEN UNTIL THE WORKLET UNIT, YOU MAY NEED TO DO SO

DATE: 12/05/2010

Page Number: 001

Number: 103344

TEST BOOKLET

CENTRAL WRITING AND INTELLIGENCE



Name (Print): [Blank]

Signature (Print): [Blank]

INSTRUCTIONS

1. Read the instructions carefully before you begin the test. You will be given 15 minutes to read the instructions and to answer the questions. You will be given 45 minutes to complete the test.
2. Write your name and the test number in the space provided on the front cover of the booklet.
3. You have 15 minutes to complete the test. You will be given 15 minutes to complete the test. You will be given 15 minutes to complete the test.
4. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
5. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
6. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
7. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
8. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
9. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.
10. The test booklet consists of two sections. Each section contains a set of questions. You will be given 15 minutes to complete each section. You will be given 15 minutes to complete each section.

BE KEPT OPEN UNTIL THE WORKLET UNIT, YOU MAY NEED TO DO SO

1. The number 5,000 can be written in words being *five thousand*. If a number is written in words being *five thousand*, which one of the following is the number of 0's?
- (A) 20
 - (B) 3
 - (C) 4
 - (D) 5
 - (E) 6
2. A man is 44 years old; his son is one-third his age. In how many years will the son be half his father's age?
- (A) 1 year
 - (B) 4 years
 - (C) 20 years
 - (D) 22 years
3. The sum of age of 40 children is 1,000 years. If the average age is 25 years. What one of the following is the age of the youngest child?
- (A) 2 years
 - (B) 3 years
 - (C) 4 years
 - (D) 5 years
4. A number consists of two digits. If the digits interchange places and the new number is added to the original number, the sum is always divisible with 4. What one of the following is the sum of the digits?
- (A) 9
 - (B) 8
 - (C) 7
 - (D) 6
5. An integer is the sum of 17 terms. The sum of the first 17 terms is 153. What one of the following is the sum of the last 17 terms?
- (A) 153
 - (B) 136
 - (C) 119
 - (D) 102
6. The sum of 2 numbers is 11. If one of the numbers is 2 less than the other, what one of the following is the sum of the squares of the numbers?
- (A) 49
 - (B) 2
 - (C) 17
 - (D) 12
7. If the sum of two consecutive integers is 11, which one of the following is the sum of the squares?
- (A) 11
 - (B) 11.5
 - (C) 12
 - (D) 12.5

4



Which one among the following is the mirror image of the figure given above?

19



20



21



22



23



Which one among the following is the figure given above?

24

25

26

27

11



The following pictures of the cube are given above. Which of the following pictures is the mirror image of the cube given above?

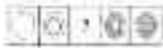
28

29

30

31

12



Which one among the following figure will appear immediately next to the last figure above?

32



33

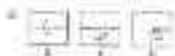


34



35

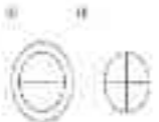




If box X is transformed to box Y and box Y is transformed to box Z, then which of the following box will be obtained?



11. Which one among the following figure does not follow the same rule?



12. Use the given data to find out the missing value.

Product of two numbers is always less than the sum of the two numbers.

Category	Number of people			Products		
	200	300	400	200	300	400
Group A	100	70	110	100	70	100
Group B	150	100	140	150	100	100
Group C	180	120	140	180	120	140
Group D	170	110	130	170	110	130
Group E	170	140	160	170	140	160
Group F	180	80	120	180	80	110

Group A = $\frac{\text{Product}}{\text{Sum of two numbers}}$

4. Which country has the strongest export-led growth strategy? (The ratio of exports to GDP is highest in the period of 2001 to 2007.)

- (a) China
- (b) Indonesia
- (c) India
- (d) South Korea

5. Which of the following countries has the lowest?

- (a) average of country's export and growth in percent in between 2003 and 2007
- (b) 2007 country's inflation rate in percent in the last 12 months
- (c) 2007 country's GDP deflator in percent in the last 12 months

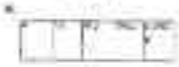
Based on your answer to question 4, which of the following is correct?

- (a) 100%
- (b) 10%
- (c) 1%
- (d) 0%

6. Please fill in the two empty spaces of the last figure. (Based on the data in the previous figure and the data in the table below.)

Figure 1 (part)

Figure 2 (part)



Country	2001	2002	2003	2004	2005	2006	2007
China	20	25	30	35	40	45	50
Indonesia	10	10	10	10	10	10	10
India	15	15	15	15	15	15	15
South Korea	10	10	10	10	10	10	15

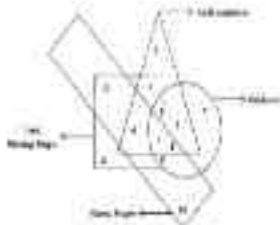


10. Match the sets given by I.I form sets of letters with the number

Set	A		B		C	
	1	2	3	4	5	6
$A \cap B$	1	2	3	4	5	6
$A \cup B$	1	2	3	4	5	6
$A \cap C$	1	2	3	4	5	6

Match one of the following sets with the set given in Part 1

- (a) $\{1, 2, 3, 4, 5, 6\}$
 (b) $\{1, 2, 3, 4, 5\}$
 (c) $\{1, 2, 3, 4\}$
 (d) None of these



Choose the set which is not a subset of the set given by the set expression $A \cup B \cap C$

- (a) $\{1, 2, 3, 4, 5, 6\}$
 (b) $\{1, 2, 3, 4, 5\}$
 (c) $\{1, 2, 3, 4\}$
 (d) $\{1, 2, 3, 4, 5, 6\}$

22. The Government used to be a national government but now the phraseology of
- (a) multiple nationalities of people means
 - (b) nothing of importance
 - (c) absence of government
 - (d) loss of authority
23. The State Government is an entity in a form of approximately 40000 persons who do not see the day after tomorrow?
- (a) It is the most largest in the state of India
 - (b) The state government is known as the State using the 1950 constitution
 - (c) The government is the central government with its members the State's center
 - (d) The state government is a whole it is not working
24. During the 1950s of an election:
- (a) no political party has been elected in the state government
 - (b) no political party has been elected in the state government
 - (c) both the political party has been elected in the state
 - (d) both the political party has been elected in the state
25. Which one is used to verify if a document is a copy?
- (a) water test
 - (b) pencil test
 - (c) candle test
 - (d) white test
26. Which one of the following pairs of rays is not distinguished in color?
- (a) Infrared and visible rays
 - (b) Gamma rays and X-rays
 - (c) Radio waves and microwaves
 - (d) Blue rays and purple rays
27. From the following, which one is not a form of matter?
- (a) matter
 - (b) energy
 - (c) matter
 - (d) matter
28. The writing of historical papers is the main government by the Government of India is known as
- (a) the state is a historical writing
 - (b) the state is a historical writing
 - (c) the state is a historical writing
 - (d) the state is a historical writing
29. In a figure the state government and the state government. Which one of the following is correct? I cannot be a historical writing.
- (a) The government of the state is a historical writing
 - (b) In the state government is a historical writing
 - (c) The government of the state is a historical writing
 - (d) The state government is a historical writing
30. Which one of the following is a compound?
- (a) H₂O
 - (b) NaCl
 - (c) Fe
 - (d) CuSO₄
31. Which one of the following is not a compound?
- (a) H₂O
 - (b) NaCl
 - (c) Fe
 - (d) CuSO₄
32. Which one of the following is not a compound?
- (a) H₂O
 - (b) NaCl
 - (c) Fe
 - (d) CuSO₄

40. Which of the following are the 4 elements to the operation of the RW system?
1. Working and holding stocks
 2. Working and supply
 3. Stock rotation
 4. Reproduction
- Give the value according to the given table
41. 1 00 | 100
 42. 1 00 | 100
 43. 1 1 00 | 1
 44. 1 1 00 | 1
41. Which of the following is/are correct of production flow RW system?
1. Use of workers
 2. Use of production workers for 2 days
 3. Working every day RW system
 4. Working for 10 days to produce 1 RW system
- Give the value according to the given table
45. 1 00 | 100
 46. 1 00 | 1
 47. 1 1 00 | 1
 48. 1 00 | 1
42. Consider the following flow of material processes.
- Process 1
1. Fuel pump, pipe and hose
 2. Manufacturing engine
- Draw the flow chart showing only 2 units of RW system of material rotation and give the value
49. 1 1 1 | 1
 50. 1 1 1 | 1
 51. 1 1 1 | 1
 52. 1 1 1 | 1
43. What among the following is/are correct?
1. Heavy duty work should be done in the morning
 2. Light and delicate work should be done in the afternoon
 3. Light and delicate work should be done in the evening
 4. Heavy duty work should be done in the evening
53. 1 00 | 100
 54. 1 00 | 100
 55. 1 1 00 | 1
 56. 1 1 00 | 1
44. Which of the following is/are correct of production flow RW system?
1. Use of workers
 2. Use of production workers for 2 days
 3. Working every day RW system
 4. Working for 10 days to produce 1 RW system
- Give the value according to the given table
57. 1 00 | 100
 58. 1 00 | 1
 59. 1 1 00 | 1
 60. 1 00 | 1
45. Which one among the following is/are correct of the RW system?
1. To operate an element of the RW system, the operator needs 2 workers
 2. One worker can do all the processes of RW system, which has 2 units of RW system
 3. One worker can do all the processes of RW system, which has 1 unit of RW system
 4. To operate an element of the RW system, the operator needs 1 worker
61. 1 00 | 100
 62. 1 00 | 100
 63. 1 1 00 | 1
 64. 1 1 00 | 1

14. Study each cell in Table 1 and state an inference about each country's growth rate. (10 pts)

Country	Year	Population	GDP
A. Switzerland	1990	7.5 million	100 billion
B. Germany	1990	8.2 million	100 billion
C. Ethiopia	1990	60 million	10 billion
D. Ethiopia	2000	65 million	10 billion

Table 1

	A	B	C
1990	1	1	1
2000	1	1	1
2010	1	1	1
2020	1	1	1

15. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)
1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.
- Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)
1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

16. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)

1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

17. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)

1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

18. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)

1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

19. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)

1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

20. Which of the following is true in the case of the welfare state policy of the B.S.M? (10 pts)

1. It is a welfare state policy.
2. It is a welfare state policy.
3. It is a welfare state policy.
4. It is a welfare state policy.

11. Consider the following statement regarding the oil industry:
- Oil is a natural resource.
 - Oil is a public good.
 - Oil is a common-pool resource.
 - Oil is a rival good.
 - Oil is a non-rival good.
12. Consider the following statement regarding a recent finding from David Foray's *Oil Markets, Energy Transition and the Environment* (NBER Working Paper 2014-01):
- Oil markets are characterized by an oligopoly structure.
 - Oil markets are characterized by a cartel structure.
 - Oil markets are characterized by a duopoly structure.
 - Oil markets are characterized by a monopoly structure.
13. Consider the following statement regarding the oil industry:
- Oil is a natural resource.
 - Oil is a public good.
 - Oil is a common-pool resource.
 - Oil is a rival good.
 - Oil is a non-rival good.
14. Consider the following statement regarding the oil industry:
- Oil is a natural resource.
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 - Oil is a non-rival good.
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 - Oil is a public good.
 - Oil is a common-pool resource.
 - Oil is a rival good.
 - Oil is a non-rival good.

3. Which of the following is **not** a correct usage?

1. The speaker used her best voice, but nobody had heard.
2. By moving to a more airy climate, we can do as much towards the cure of our cough.
3. The horse was fast but fell in a race of eight hundred yards.

4. Pick the correct word using the rule given below.

- (a) $\sqrt{16}$ is 4
- (b) $\sqrt{16}$ is ± 4
- (c) $\sqrt{16}$ is 2
- (d) $\sqrt{16}$ is ± 2

5. Which of the following is **not** a valid group for a division in ICSE?

- (a) Yearly, Term, Fee
- (b) Yearly, Term, Fee
- (c) Home, PPT, in January
- (d) Annual, Term, Fee

6. The equation for the circle with centre (4, 4) is

- (a) $x^2 + y^2 = 16$ is the circle
- (b) $(x - 4)^2 + (y - 4)^2 = 16$ is the equation
- (c) $x^2 + y^2 = 8$ is the circle
- (d) $(x - 4)^2 + (y - 4)^2 = 8$ is the equation

7. Identify the following sentence:

1. India was a big free market even at that time but after some technical changes some of the companies of the country had withdrawn.
2. India is a market of some big companies.

8. Pick the correct phrase from the sentence?

- (a) I had 1
- (b) I am 1 only
- (c) I am
- (d) I am 1 only

9. Identify the following sentence:

1. The teacher had told us that we should not have any change during the exam.
2. The teacher had told us that we should not have any change during the exam.

10. Pick the correct phrase from the sentence?

- (a) I am
- (b) I am
- (c) I am 1 only
- (d) I am 1 only

11. I am not going to give you any more of that kind of information. I am not going to give you any more of that kind of information.

The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text.

They

(A) Love

(B) Dislike

(C) Respect

(D) Admire

12. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text.

(A) Love

(B) Dislike

(C) Respect

(D) Admire

13. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text.

(A) Love

(B) Dislike

(C) Respect

(D) Admire

(E) None

(F) All

(G) Some

(H) None

14. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text.

(A) The French Regime

(B) The Italian Regime

(C) The Spanish Regime

(D) The British Regime

15. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text. The author's attitude toward the subject of the text is the author's attitude toward the subject of the text.

(A) Love

(B) Dislike

(C) Respect

(D) Admire

14. Specific all over the world by

- (a) International Labour Office (ILO)
- (b) United Nations Development Programme (UNDP)
- (c) World Bank
- (d) International Labour Office (ILO)

15. The following is/are not the

- (a) The World Bank
- (b) The International Labour Office
- (c) The United Nations Development Programme
- (d) The World Bank

The following is/are not the

- (a) ILO
- (b) UNDP
- (c) WB
- (d) ILO

16. The following is/are not the

The following is/are not the

The following is/are not the

- (a) ILO
- (b) UNDP
- (c) WB
- (d) ILO

Answer:

The following is/are not the

The

- (a) ILO
- (b) UNDP
- (c) WB
- (d) ILO

10. Which of the following is **not** a function of the skeletal system?
- movement
 - support and stability
 - blood cell production
 - storage of fat
11. Which of the following is **not** a function of the skeletal system?
- movement
 - storage of fat
 - protection
 - production of red blood cells
12. Why are the epiphyses of long bones covered with articular cartilage?
- To absorb shock and reduce wear and tear on the joint.
 - To give a rough surface to reduce friction.
 - To allow for the attachment of ligaments.
 - To allow for the attachment of tendons.
13. Which of the following is **not** a function of the skeletal system?
- movement
 - storage of fat
 - protection
 - production of red blood cells
14. Which of the following is **not** a function of the skeletal system?
- movement
 - storage of fat
 - protection
 - production of red blood cells
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- movement
 - storage of fat
 - protection
 - production of red blood cells

the two planets is related to the average speed of light.

Finally, regarding the 1976-77, a 20-year-old satellite and four 14-year-old satellites launched in 1975 by the USSR, it is generally expected that the satellite system is in trouble. The reason for this is that the satellite system is the most difficult to maintain and operate in space. It is a complex system and the maintenance of the satellite system is very difficult. It is a complex system and the maintenance of the satellite system is very difficult. It is a complex system and the maintenance of the satellite system is very difficult.

14. Although the satellite system is in trouble, the satellite system is still in use. It is still in use and it is still in use. It is still in use and it is still in use. It is still in use and it is still in use.

15. The distance of the satellite system from the Earth is about 10,000 km. It is about 10,000 km from the Earth.

16. The satellite system is in use. It is in use and it is in use. It is in use and it is in use. It is in use and it is in use.

17. The satellite system is in use. It is in use and it is in use. It is in use and it is in use. It is in use and it is in use.

18. The distance of the satellite system from the Earth is about 10,000 km. It is about 10,000 km from the Earth.

19. The distance of the satellite system from the Earth is about 10,000 km. It is about 10,000 km from the Earth.

20. The satellite system is in use.

21. The satellite system is in use.

22. The satellite system is in use.

23. The satellite system is in use.

24. The satellite system is in use.

25. The satellite system is in use.

26. The satellite system is in use.

27. The satellite system is in use.

28. The satellite system is in use.

29. The satellite system is in use.

30. The satellite system is in use.

31. The satellite system is in use.

32. The satellite system is in use.

33. The satellite system is in use.

34. The satellite system is in use.

35. The satellite system is in use.

36. The satellite system is in use.

37. The satellite system is in use.

38. The satellite system is in use.

17. The two bases of the cylinder of the unit circle are to be a distance of 1.

- (1) $\sqrt{2}$ units long
- (2) $\sqrt{3}$ units long
- (3) 1 unit long
- (4) $\sqrt{4}$ units long

18. Which of the following is not a real number?

- (1) $\sqrt{2}$
- (2) $\sqrt{3}$
- (3) $\sqrt{4}$
- (4) $\sqrt{5}$

Find the area of the rectangle below.

- (A) 1.5 sq ft
- (B) 1.1 sq ft
- (C) 1.2 sq ft
- (D) 1.4 sq ft

19. Match each real number with the correct interval along the real number line.

- | | | |
|----|-----------|------------|
| | Interval | Number |
| A. | $[-1, 1]$ | $\sqrt{2}$ |
| B. | $[-1, 2]$ | $\sqrt{3}$ |
| C. | $[-1, 3]$ | $\sqrt{4}$ |
| | $[-1, 4]$ | $\sqrt{5}$ |

- Find x .
- (1) $x = 2$
 - (2) $x = 1$
 - (3) $x = 3$
 - (4) $x = 4$

20. Which pair of the following are not complementary angles?

- (1) 30° and 60°
- (2) 45° and 45°
- (3) 20° and 70°
- (4) 10° and 80°

21. Which pair of the following are not considered to be parallel lines?

- (1) Two lines in a plane
- (2) Two lines in space
- (3) Two lines in a plane that do not intersect
- (4) Two lines in space that do not intersect

22. Which one of the following sets of numbers could be the side lengths of a right triangle?

- (1) 3, 4, 5
- (2) 5, 12, 13
- (3) 6, 8, 10
- (4) 7, 24, 25

23. Which one of the following is not a real number?

- (1) $\sqrt{2}$
- (2) $\sqrt{3}$
- (3) $\sqrt{4}$
- (4) $\sqrt{5}$

10) Which among the following statements are correct?

- The Supply of Money was controlled by the British since the time of Maratha till the year 1858.
- The Bank of India was established under the Charter of 1800 and continued with its charter of 1833.

What are the correct answer using the code given below.

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 or 2

11) The new rupee was introduced in the year

- the 19th century
- the 18th century
- the 17th century
- the 12th century

12) Which was among the following countries came up with the public debt in India?

- British India
- French India
- Mysore
- Chandernagore

13) What was one of the following reasons cause of the Bank of India?

- The English bank was established in the year 1770 in Calcutta
- One of the first private banks in India founded in 1770
- The English bank in India
- One of the first companies in the world

14) Which was among the following was not correct about the Indian economy in 1858?

- It was dominated by land transactions.
- It was concentrated in Bengal and Bihar.
- Commercial was only business related but not the concern of the state.
- The industries were related to the needs of exports.

15) Which was among the following is the term of reference between the Parliament and the Council of Ministers?

- Vote of confidence
- Confidence motion of the Council of Ministers
- Equilibrium motion of confidence
- Business motion of the Council of Ministers

16) Which one of the following statements is incorrect?

- The responsibility of the Finance Commission to get the power of all districts comes from the year 1951
- Normally a complete set of the financial plan for the year 1951-52
- Finance Minister of India is responsible to coordinate the budget
- It was established under the Finance Commission Act, 1951

10. Which of the following represents a liability for the issuer of the security?

- There is no provision in the instrument for the redemption of any of the stock and the security is payable only at maturity.
- There is no provision for a sinking fund but the cash proceeds will be used to pay the interest on the issue.
- The instrument does not set out the method of all payments and is payable only

when the issuer determines that it is appropriate.

- (i) only
- (ii) and (iii) only
- (i), (ii) and (iii)
- (iv) only

11. Identify the correct sequence of the following instruments in order of preference in India (using 1000 as value)

- Mortgage debenture
- Registered debenture
- Secured floating debenture
- Secured debenture
- Unsecured debenture

Select the correct answer using the code given below.

- (i)-(ii)-(iii)-(iv)-(v)
- (i)-(iii)-(ii)-(iv)-(v)
- (i)-(ii)-(iv)-(iii)-(v)
- (i)-(iii)-(iv)-(ii)-(v)

12. The Finance Bill 2012 was passed in January 2012. Section 115 of the Constitution of India is made of 4 articles and the

- the majority of the bills is unanimously passed.
- Article 11 is appended to the constitution.
- the Finance Bill is passed by simple majority in the lower house.
- Article 111 gives the power to reserve bills.

13. Which one of the following does not describe the term of the bill introduced in the Lok Sabha?

- Bill of the President (BPP)
- Money Bill (MB)
- Finance Bill (FB)
- Bill of the State (BPS)
- Bill of the Parliament (BP)
- Bill of the State (BPS)
- Bill of the Parliament (BP)

14. The capital structure of a firm is

- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.
- the sum of the firm's debt and equity.

C.P.F. (A-C) Form 2001

THE NEW YORK STATE DEPARTMENT OF CORRECTIONS AND COMMUNITY CORRECTIONS

TEST: PAPER-TW

YOUR BOOKLET NUMBER

Grade

TEST NUMBER

GENERAL ABILITY AND INTELLIGENCE



Your School Location

Starting Date: 1951

Instructions

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3. You have 30 minutes to complete this test. Do not write on this form.
4. Do not write on the back of this form.
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6. All following questions:
7. You are to read each of the questions and choose the best answer from the four choices given. Do not write on this form.
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9. Do not write on the back of this form.
10. Do not write on the back of this form.
11. Do not write on the back of this form.
12. Do not write on the back of this form.
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19. Do not write on the back of this form.
20. Do not write on the back of this form.

THE NEW YORK STATE DEPARTMENT OF CORRECTIONS AND COMMUNITY CORRECTIONS

Form 2001 (A-C) (Rev. 1-1951)

8. The following is a list of the names of the members of the committee:

1. Mr. A. B. C.
2. Mr. D. E. F.
3. Mr. G. H. I.
4. Mr. J. K. L.
5. Mr. M. N. O.
6. Mr. P. Q. R.
7. Mr. S. T. U.
8. Mr. V. W. X.
9. Mr. Y. Z. A.
10. Mr. B. C. D.

9. The following is a list of the names of the members of the committee:

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- | | | | |
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| 9. Mr. Y. Z. A. | 10. Mr. B. C. D. | 11. Mr. E. F. G. | 12. Mr. H. I. J. |
| 13. Mr. K. L. M. | 14. Mr. N. O. P. | 15. Mr. Q. R. S. | 16. Mr. T. U. V. |

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| 9. Mr. Y. Z. A. | 10. Mr. B. C. D. | 11. Mr. E. F. G. | 12. Mr. H. I. J. |
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7. Mr. S. T. U.
8. Mr. V. W. X.
9. Mr. Y. Z. A.
10. Mr. B. C. D.

10. Which of the following statements is **NOT** an indication that a company is in financial distress?

- A. The company is unable to pay its liabilities.
- B. The firm has a large amount of its cash and marketable securities.
- C. The company's operating assets are sold.

Answer: B. A company in financial distress is unable to pay its liabilities.

- A. 100%
- B. 1000%
- C. 10000%
- D. 100%

11. Which of the following is **NOT** an indicator of a company's financial distress?

- A. A high level of debt to equity ratio.
- B. A high level of cash and marketable securities.
- C. A high level of operating assets.
- D. A high level of operating assets.

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- C. A high level of operating assets.
- D. A high level of operating assets.

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- A. A high level of debt to equity ratio.
- B. A high level of cash and marketable securities.
- C. A high level of operating assets.
- D. A high level of operating assets.

13. What is the number of legal assignments for the following?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

14. What is the number of legal assignments for the following?

- (a) 10
- (b) 11
- (c) 12
- (d) 13

15. What is the sum of numbers of legal assignments for the following?

- (a) 11111
- (b) 1111
- (c) 110
- (d) 11

16. The following is a legal assignment:

- (a) 10
- (b) 11
- (c) 12
- (d) 13

17. What is the sum of the number of legal assignments for the following?

- (a) 7
- (b) 8
- (c) 9
- (d) 10

18. What is the number of legal assignments for the following?

- | | |
|--------|--------|
| (a) 10 | (b) 11 |
| (c) 12 | (d) 13 |

19.

- (a) 10
- (b) 11
- (c) 12
- (d) 13

20. What is the number of legal assignments for the following?

- (a) 10
- (b) 11
- (c) 12
- (d) 13

13. Among the following, the smallest lake in North America is:

- a. Erie
- b. Ontario
- c. St. Clair
- d. Superior

14. Which country has the highest population density?

- a. China
- b. India
- c. Japan
- d. Korea

15. Which country has the highest population density?

- a. Japan
- b. Korea
- c. Singapore
- d. Thailand

16. Which country has the highest population density?

- | | |
|------------------|-------------------------------------------|
| a. Canada | 1. High level of industrialization |
| b. France | 2. High level of population density |
| c. Germany | 3. High level of economic growth |
| d. United States | 4. High level of technological innovation |

Year	1980	1985	1990	1995
1980	1	1	1	1
1985	1	1	1	1
1990	1	1	1	1
1995	1	1	1	1

17. Which country has the highest population density?

- a. Canada
- b. France
- c. Germany
- d. United States

18. Which country has the highest population density?

- a. Canada
- b. France
- c. Germany
- d. United States

19. Which country has the highest population density?

- a. Canada
- b. France
- c. Germany
- d. United States

20. Which country has the highest population density?

- a. Canada
- b. France
- c. Germany
- d. United States

46. Suppose an individual's indifference curve is convex to the origin and that she has a budget to spend on two goods.

- As she consumes more of one good, her utility remains constant if she consumes a proportionally smaller amount of the other good.
- When she consumes a larger amount of one good, she must consume a smaller amount of the other good to remain on the same indifference curve.
- When she consumes more of one good, she must consume more of the other good to remain on the same indifference curve.
- When she consumes more of one good, she must consume less of the other good to remain on the same indifference curve.

47. If the indifference curve is convex to the origin,

- the marginal utility of one good is constant.
- MU is $1/x$.
- MU is $1/x^2$.
- MU is $1/x^3$.

48. Suppose that the utility function for two goods is given by

Good	Utility
Good 1	Good 2
1. 10 units	1. 100
2. 20 units	2. 400
3. 30 units	3. 900
4. 40 units	4. 1600

Utility	1	2	3	4
100	0	1	0	
400	0	1	0	
900	1	1	1	
1600	1	1	1	1

The resulting indifference curve is convex to the origin and that she has a budget to spend on two goods.

49. The indifference curve is convex to the origin and that she has a budget to spend on two goods. As she consumes more of one good, she must consume a smaller amount of the other good to remain on the same indifference curve.

50. The indifference curve is convex to the origin.

- MU is $1/x$.
- MU is $1/x^2$.
- MU is $1/x^3$.
- MU is constant.

51. The indifference curve is convex to the origin.

- Good 1 is a normal good and Good 2 is a normal good.
- Good 1 is a normal good and Good 2 is an inferior good.
- Good 1 is a normal good and Good 2 is a Giffen good.
- Good 1 is an inferior good and Good 2 is a Giffen good.

52. The indifference curve is convex to the origin and that she has a budget to spend on two goods.

- The indifference curve is convex to the origin and that she has a budget to spend on two goods.
- The indifference curve is convex to the origin and that she has a budget to spend on two goods.
- The indifference curve is convex to the origin and that she has a budget to spend on two goods.
- The indifference curve is convex to the origin and that she has a budget to spend on two goods.

53. The indifference curve is convex to the origin and that she has a budget to spend on two goods.

- MU is $1/x$.
- MU is $1/x^2$.
- MU is $1/x^3$.
- MU is constant.

10. Which of the following is NOT a characteristic of a good leader?
- (A) Visionary
 - (B) Empathetic
 - (C) Authoritative
 - (D) Collaborative
 - (E) Supportive

11. Which of the following is NOT a characteristic of a good leader?
- (A) Visionary
 - (B) Empathetic
 - (C) Authoritative
 - (D) Collaborative
 - (E) Supportive

12. Which of the following is NOT a characteristic of a good leader?
- (A) Visionary
 - (B) Empathetic
 - (C) Authoritative
 - (D) Collaborative
 - (E) Supportive

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 - (B) Empathetic
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 - (E) Supportive

15. Which of the following is NOT a characteristic of a good leader?
- (A) Visionary
 - (B) Empathetic
 - (C) Authoritative
 - (D) Collaborative
 - (E) Supportive

16. Which of the following is NOT a characteristic of a good leader?
- (A) Visionary
 - (B) Empathetic
 - (C) Authoritative
 - (D) Collaborative
 - (E) Supportive

46. The following reaction is an example of a nucleophilic substitution reaction. What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

47. The following reaction is an example of a nucleophilic substitution reaction. What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

48. The following reaction is an example of a nucleophilic substitution reaction. What is the mechanism of this reaction?

A. SN1

B. SN2

C. E1

D. E2

What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

49. The following reaction is an example of a nucleophilic substitution reaction. What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

50. The following reaction is an example of a nucleophilic substitution reaction.

- A. SN1
- B. SN2
- C. E1
- D. E2

51. What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

52. What is the mechanism of this reaction?

- A. SN1
- B. SN2
- C. E1
- D. E2

14. Which of the following does NOT describe a characteristic of the process of the implementation of a change program according to Lewin?

- a. Change agents do most of the work of the change program
- b. The change is implemented by a few individuals who are not involved in the design of the change
- c. The change is implemented by the people who designed it
- d. The change is implemented by the people who designed it

What is the correct answer for the question?

- a. a
- b. b
- c. c
- d. d

15. In the context of the change program, what is the correct answer?

- a. 100%
- b. 75%
- c. 50%
- d. 25%

16. Which of the following is NOT a characteristic of the change program?

- a. The change is implemented by the people who designed it
- b. The change is implemented by the people who designed it
- c. The change is implemented by the people who designed it
- d. The change is implemented by the people who designed it

17. Which of the following is NOT a characteristic of the change program?

- a. The change is implemented by the people who designed it
- b. The change is implemented by the people who designed it
- c. The change is implemented by the people who designed it
- d. The change is implemented by the people who designed it

18. Which of the following is NOT a characteristic of the change program?

- a. The change is implemented by the people who designed it
- b. The change is implemented by the people who designed it
- c. The change is implemented by the people who designed it
- d. The change is implemented by the people who designed it

What is the correct answer for the question?

- a. 100%
- b. 75%
- c. 50%
- d. 25%

16. With the graph in Fig. 12.2, the value of $\frac{d^2y}{dx^2}$ at the point where the curve crosses the x-axis is

Graph	Value
(a) Fig. 12.2	1. 0
(b) Fig. 12.3	2. 1
(c) Fig. 12.4	3. -1
(d) Fig. 12.5	4. 2

Graph	Value
(a) Fig. 12.2	1. 0
(b) Fig. 12.3	2. 1
(c) Fig. 12.4	3. -1
(d) Fig. 12.5	4. 2

17. The area of the region bounded by the curve $y = x^2 - 2x + 2$ and the x-axis is



18. The area of the region bounded by the curve $y = x^2 - 2x + 2$ and the x-axis is

- (a) 1
- (b) 2
- (c) 3
- (d) 4

19. The area of the region bounded by the curve $y = x^2 - 2x + 2$ and the x-axis is

- (a) 1
- (b) 2
- (c) 3
- (d) 4

20. The area of the region bounded by the curve $y = x^2 - 2x + 2$ and the x-axis is

- (a) 1
- (b) 2
- (c) 3
- (d) 4

21. The area of the region bounded by the curve $y = x^2 - 2x + 2$ and the x-axis is

- (a) 1
- (b) 2
- (c) 3
- (d) 4

41. What is the primary function of the skeletal system?
- a. Support
 - b. Protection
 - c. Movement
 - d. Storage
42. What is the primary function of the circulatory system?
- a. Transport
 - b. Defense
 - c. Regulation
 - d. Support
43. What is the primary function of the respiratory system?
- a. Gas exchange
 - b. pH regulation
 - c. Temperature regulation
 - d. Support
44. What is the primary function of the digestive system?
- a. Nutrient absorption
 - b. Waste elimination
 - c. Energy production
 - d. Support
45. What is the primary function of the excretory system?
- a. Waste removal
 - b. pH regulation
 - c. Temperature regulation
 - d. Support
46. What is the primary function of the immune system?
- a. Defense
 - b. Regulation
 - c. Support
 - d. Storage
47. What is the primary function of the nervous system?
- a. Communication
 - b. Regulation
 - c. Support
 - d. Storage
48. What is the primary function of the endocrine system?
- a. Regulation
 - b. Support
 - c. Storage
 - d. Defense
49. What is the primary function of the reproductive system?
- a. Procreation
 - b. Support
 - c. Storage
 - d. Defense
50. What is the primary function of the integumentary system?
- a. Protection
 - b. Regulation
 - c. Support
 - d. Storage

14. Which of the following is not a component of the total health benefits provided by an employer? (10)
- Group-term life insurance
 - Health savings account (HSA)
 - Long-term care insurance
 - Voluntary dental insurance
15. Which of the following is not a component of the total health benefits provided by an employer? (10)
- Group-term life insurance
 - Health savings account (HSA)
 - Long-term care insurance
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- Group-term life insurance
 - Health savings account (HSA)
 - Long-term care insurance
 - Voluntary dental insurance

8. One of the following is not a type of sedimentary rock. Which one is it?
- The answer is _____
- Shale
 - Sandstone
 - Limestone
 - Granite
9. Which of the following is not a type of sedimentary rock?
- Sandstone
 - Limestone
 - Shale
 - Granite
10. Which of the following is not a type of sedimentary rock?
- Sandstone
 - Limestone
 - Shale
 - Granite
11. Which of the following is not a type of sedimentary rock?
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 - Limestone
 - Shale
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 - Limestone
 - Shale
 - Granite
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- Sandstone
 - Limestone
 - Shale
 - Granite
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- Sandstone
 - Limestone
 - Shale
 - Granite
22. Which of the following is not a type of sedimentary rock?
- Sandstone
 - Limestone
 - Shale
 - Granite

14. ¿Cuál de las siguientes es la función principal de la proteína de membrana?

- a) Almacenar energía
- b) Catalizar reacciones
- c) Transportar moléculas
- d) Formar canales iónicos

15. ¿Cuál de las siguientes es una característica de las células eucariotas?

- a) Carencia de núcleo definido
- b) Presencia de orgánulos membranosos
- c) División por fisión binaria
- d) Tamaño celular más pequeño que el de las células procariotas

16. ¿Cuál de las siguientes es una característica de las células procariotas?

- a) Presencia de núcleo
- b) División por mitosis
- c) Tamaño celular más grande que el de las células eucariotas
- d) Presencia de orgánulos membranosos

17. ¿Cuál de las siguientes es una característica de las células eucariotas que carecen de núcleo definido (procariontes)?

- a) Presencia de orgánulos membranosos
 - b) División por mitosis
 - c) Tamaño celular más grande que el de las células procariotas
 - d) Presencia de núcleo definido
18. ¿Cuál de las siguientes es una característica de las células eucariotas que carecen de núcleo definido (procariontes)?
- a) Presencia de orgánulos membranosos
 - b) División por mitosis
 - c) Tamaño celular más grande que el de las células procariotas
 - d) Presencia de núcleo definido

18. ¿Cuál de las siguientes es una característica de las células eucariotas que carecen de núcleo definido (procariontes)?

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- c) Tamaño celular más grande que el de las células procariotas
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20. ¿Cuál de las siguientes es una característica de las células eucariotas que carecen de núcleo definido (procariontes)?

- a) Presencia de orgánulos membranosos
- b) División por mitosis
- c) Tamaño celular más grande que el de las células procariotas
- d) Presencia de núcleo definido

10. What is the primary purpose of the following passage?

1. To inform the reader about the author's research.
2. To describe the author's research methodology.
3. To discuss the author's research findings.
4. To present the author's research conclusions.

11. Which of the following is the main idea of the passage?

1. The author's research methodology.
2. The author's research findings.
3. The author's research conclusions.
4. The author's research objectives.

12. What is the author's primary purpose in writing this passage?

1. To inform the reader about the author's research.
2. To describe the author's research methodology.
3. To discuss the author's research findings.
4. To present the author's research conclusions.

13. Which of the following is the main idea of the passage?

1. The author's research methodology.
2. The author's research findings.
3. The author's research conclusions.
4. The author's research objectives.

14. The author's primary purpose in writing this passage is to inform the reader about the author's research. Which of the following is the main idea of the passage?

1. The author's research methodology.
2. The author's research findings.
3. The author's research conclusions.
4. The author's research objectives.

15. Which of the following is the main idea of the passage?

1. The author's research methodology.
2. The author's research findings.
3. The author's research conclusions.
4. The author's research objectives.

16. What is the author's primary purpose in writing this passage?

1. To inform the reader about the author's research.
2. To describe the author's research methodology.
3. To discuss the author's research findings.
4. To present the author's research conclusions.

17. What is the primary function of the
 amygdala?

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

18. What is the primary function of the
 hippocampus?

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

19. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

20. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

21. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

22. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

23. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

24. The amygdala is primarily involved in

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

- a. Motor control
- b. Sensory processing
- c. Memory storage
- d. Emotional processing

104. Which of the following is the correct description of the correct way to use the word "because" in a sentence?

- A. It is used to introduce a clause that explains the reason for something.
- B. It is used to introduce a clause that is the result of something.
- C. It is used to introduce a clause that is a condition.
- D. It is used to introduce a clause that is a contrast.

105. Which of the following is the correct way to use the word "although" in a sentence?

- A. It is used to introduce a clause that is a contrast.
- B. It is used to introduce a clause that is a condition.
- C. It is used to introduce a clause that is a result.
- D. It is used to introduce a clause that is an explanation.

106. Which of the following is the correct way to use the word "in order to" in a sentence?

- A. It is used to introduce a clause that is a condition.
- B. It is used to introduce a clause that is a result.
- C. It is used to introduce a clause that is a contrast.
- D. It is used to introduce a clause that is an explanation.

107. Which of the following is the correct way to use the word "so" in a sentence?

- A. It is used to introduce a clause that is a result.
- B. It is used to introduce a clause that is a condition.
- C. It is used to introduce a clause that is a contrast.
- D. It is used to introduce a clause that is an explanation.

108. Which of the following is the correct way to use the word "so" in a sentence?

- A. It is used to introduce a clause that is a result.
- B. It is used to introduce a clause that is a condition.
- C. It is used to introduce a clause that is a contrast.
- D. It is used to introduce a clause that is an explanation.

109. Which of the following is the correct way to use the word "so" in a sentence?

- A. It is used to introduce a clause that is a result.
- B. It is used to introduce a clause that is a condition.
- C. It is used to introduce a clause that is a contrast.
- D. It is used to introduce a clause that is an explanation.

110. Which of the following is the correct way to use the word "so" in a sentence?

- A. It is used to introduce a clause that is a result.
- B. It is used to introduce a clause that is a condition.
- C. It is used to introduce a clause that is a contrast.
- D. It is used to introduce a clause that is an explanation.

124. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries. Which of the following is NOT a function of AID?

1. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
2. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
3. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
4. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.

What is the correct answer using the code provided?

- A. 1 and 2
- B. 1 and 3
- C. 1 and 4
- D. 1 and 5

125. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries. Which of the following is NOT a function of AID?

1. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
2. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
3. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.
4. The U.S. Agency for International Development (AID) is the primary U.S. agency for providing technical assistance and training to developing countries.

What is the correct answer using the code provided?

- A. 1 and 2
- B. 1 and 3
- C. 1 and 4
- D. 1 and 5

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

TIME: 2:00-4:00 PM

Test booklet begins

Seal No.



TEST BOOKLET

GENERAL ABILITY AND INTELLIGENCE

Test Form: 100-100

National Exam 100

INSTRUCTIONS

1. This test is a measure of your ability to understand, use verbal information, solve problems, and use common sense. It is a measure of your ability to learn from experience.
2. There are 40 items on this test. You will be asked to choose the best answer for each item. There are four possible answers for each item. Only one answer is correct. You will be asked to choose the best answer for each item. There are four possible answers for each item. Only one answer is correct. You will be asked to choose the best answer for each item. There are four possible answers for each item. Only one answer is correct.
3. The test is a measure of your ability to understand, use verbal information, solve problems, and use common sense. It is a measure of your ability to learn from experience.
4. The test is a measure of your ability to understand, use verbal information, solve problems, and use common sense. It is a measure of your ability to learn from experience.
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DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

11. Suppose the total number of people in a city is 100,000 and 10% of the population is under 18 years old. How many people are under 18 years old?

- (A) 10,000
- (B) 110,000
- (C) 100,000
- (D) 1,000

12. The area of a square is 100 square units. What is the length of one side?

- (A) 10
- (B) 20
- (C) 30
- (D) 40

13. The area of a rectangle is 100 square units. The length is 10 units. What is the width?

10	10
10	10
10	10
10	10

- (A) 10
- (B) 20
- (C) 30
- (D) 40

14. The area of a square is 100 square units. What is the length of one side?

- (A) 10
- (B) 20
- (C) 30
- (D) 40

15. The area of a square is 100 square units. What is the length of one side?

- (A) 10
- (B) 20
- (C) 30
- (D) 40

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- (A) 10
- (B) 20
- (C) 30
- (D) 40

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- (A) 10
- (B) 20
- (C) 30
- (D) 40

18. The area of a square is 100 square units. What is the length of one side?

- (A) 10
- (B) 20
- (C) 30
- (D) 40

11. Double the amount of each
of the following:

a. $3x^2 + 2x + 1$
b. $5x^2 + 3x + 2$
c. $2x^2 + 4x + 1$
d. $4x^2 + 6x + 3$

12. Find the sum of each
of the following:

a. $2x^2 + 3x + 1$ and
 $3x^2 + 4x + 2$
b. $4x^2 + 5x + 3$ and
 $5x^2 + 6x + 4$
c. $6x^2 + 7x + 5$ and
 $7x^2 + 8x + 6$

13. Double the difference of each
of the following:

a. $3x^2 + 2x + 1$ and
 $2x^2 + 3x + 1$
b. $4x^2 + 3x + 2$ and
 $3x^2 + 4x + 2$
c. $5x^2 + 4x + 3$ and
 $4x^2 + 5x + 3$

14. Subtract each of the
following from $5x^2 + 4x + 3$:

a. $2x^2 + 3x + 1$
b. $3x^2 + 4x + 2$
c. $4x^2 + 5x + 3$
d. $5x^2 + 6x + 4$

15. Subtract each of the
following from $4x^2 + 3x + 2$:

a. $2x^2 + 3x + 1$
b. $3x^2 + 4x + 2$
c. $4x^2 + 5x + 3$
d. $5x^2 + 6x + 4$

16. Subtract each of the

following from $3x^2 + 2x + 1$:

a. $2x^2 + 3x + 1$

b. $3x^2 + 4x + 2$

c. $4x^2 + 5x + 3$

d. $5x^2 + 6x + 4$

17. Subtract each of the

following from $4x^2 + 3x + 2$:

a. $3x^2 + 4x + 2$

b. $4x^2 + 5x + 3$

c. $5x^2 + 6x + 4$

d. $6x^2 + 7x + 5$

18. Subtract each of the

following from $5x^2 + 4x + 3$:

a. $4x^2 + 5x + 3$

b. $5x^2 + 6x + 4$

c. $6x^2 + 7x + 5$

d. $7x^2 + 8x + 6$

19. Subtract each of the
following from $6x^2 + 5x + 4$:

a. $5x^2 + 6x + 4$

b. $6x^2 + 7x + 5$

c. $7x^2 + 8x + 6$

d. $8x^2 + 9x + 7$

20. Subtract each of the
following from $7x^2 + 6x + 5$:

a. $6x^2 + 7x + 5$

b. $7x^2 + 8x + 6$

c. $8x^2 + 9x + 7$

d. $9x^2 + 10x + 8$

21. Subtract each of the
following from $8x^2 + 7x + 6$:

a. $7x^2 + 8x + 6$

b. $8x^2 + 9x + 7$

c. $9x^2 + 10x + 8$

d. $10x^2 + 11x + 9$

18. An individual who is a member of a group that is characterized by a high degree of social cohesion and a strong sense of loyalty to the group is most likely to be a member of a(n) _____.

- a. crowd
- b. audience
- c. mob
- d. social network

19. When an individual is a member of a group that is characterized by a high degree of social cohesion and a strong sense of loyalty to the group, the individual is most likely to be a member of a(n) _____.

- a. crowd
- b. audience
- c. mob
- d. social network

20. When an individual is a member of a group that is characterized by a high degree of social cohesion and a strong sense of loyalty to the group, the individual is most likely to be a member of a(n) _____.

- a. crowd
- b. audience
- c. mob
- d. social network

21. The _____ is a group of individuals who are characterized by a high degree of social cohesion and a strong sense of loyalty to the group.

- a. crowd
- b. audience
- c. mob
- d. social network

22. An individual who is a member of a group that is characterized by a high degree of social cohesion and a strong sense of loyalty to the group is most likely to be a member of a(n) _____.

- a. crowd
- b. audience
- c. mob
- d. social network

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- a. crowd
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- a. crowd
- b. audience
- c. mob
- d. social network

The _____ is a group of individuals who are characterized by a high degree of social cohesion and a strong sense of loyalty to the group.

- a. crowd
- b. audience
- c. mob
- d. social network

26. Which of the following is not a valid sampling method for a population?

(a) Simple random sampling
(b) Systematic sampling

- (c) Convenience sampling
(d) Stratified sampling
(e) Cluster sampling

27. The

(a) 100% of the population

(b) 50% of the population

(c) 25% of the population

(d) 10% of the population

(e) 5% of the population

28. Which of the following is not a valid sampling method for a population?

(a) Simple random sampling

(b) Systematic sampling

(c) Convenience sampling

(d) Stratified sampling

(e) Cluster sampling

29. The following is a valid sampling method for a population:

(a) Simple random sampling

(b) Systematic sampling

(c) Convenience sampling

(d) Stratified sampling

(e) Cluster sampling

30. Which of the following is not a valid sampling method for a population?

(a) Simple random sampling

(b) Systematic sampling

(c) Convenience sampling

(d) Stratified sampling

(e) Cluster sampling

31. The following is a valid sampling method for a population:

(a) Simple random sampling

(b) Systematic sampling

(c) Convenience sampling

(d) Stratified sampling

(e) Cluster sampling

32. The following is a valid sampling method for a population:

(a) Simple random sampling

(b) Systematic sampling

(c) Convenience sampling

(d) Stratified sampling

(e) Cluster sampling

11. The total of all selling expenses last month totaled \$114,000.

1. Sales of 40,000 units at an average price of \$200 less commission of 10% and advertising costs of \$100,000.
2. Sales of 30,000 units at an average price of \$200.
3. Advertising costs of \$100,000 less commission of 10% on sales of \$1,000,000.
4. Sales of 40,000 units at an average price of \$200.

(Each correct answer choice is worth one point.)

- a. 1 only
- b. 2 only
- c. 1 and 2 only
- d. 2 and 3 only

12. A company has sales of \$100 million per year. Thirty percent of sales are made in the first half of the year. How much sales are made in the second half?

- a. \$20 million
- b. \$30 million
- c. \$40 million
- d. \$50 million

Answer:

The correct answer is (c) because 30% of \$100 million is \$30 million. The remaining 70% is \$70 million.



13. The total of all selling expenses last month totaled \$114,000.

- a. 1 only
- b. 2 only
- c. 1 and 2 only
- d. 2 and 3 only

14. The total of all selling expenses last month totaled \$114,000. How much sales are made in the second half?

- a. \$20 million
- b. \$30 million
- c. \$40 million
- d. \$50 million

15. The total of all selling expenses last month totaled \$114,000. How much sales are made in the second half?

- a. \$20 million
- b. \$30 million
- c. \$40 million
- d. \$50 million

20. Which of the following is the correct definition of a "strong" acid?

- A. An acid that completely dissociates in water
- B. An acid that is highly corrosive
- C. An acid that has a low pH
- D. An acid that is highly reactive

21. Which of the following is the correct definition of a "weak" acid?

- A. An acid that partially dissociates in water
- B. An acid that is highly corrosive
- C. An acid that has a high pH
- D. An acid that is highly reactive

22. Which of the following is the correct definition of a "strong" base?

- A. A base that completely dissociates in water
- B. A base that is highly corrosive
- C. A base that has a low pH
- D. A base that is highly reactive

23. Which of the following is the correct definition of a "weak" base?

- A. A base that partially dissociates in water
- B. A base that is highly corrosive
- C. A base that has a high pH
- D. A base that is highly reactive

24. Which of the following is the correct definition of a "strong" acid?

25. Which of the following is the correct definition of a "weak" acid?

- A. An acid that partially dissociates in water
- B. An acid that is highly corrosive
- C. An acid that has a high pH
- D. An acid that is highly reactive

41. The average rate of change of a function f over the interval $[a, b]$ is the slope of the secant line connecting the points $(a, f(a))$ and $(b, f(b))$ on the graph of f .

- (A) $\frac{f(b) - f(a)}{b - a}$
- (B) $\frac{f(b) + f(a)}{b + a}$
- (C) $\frac{f(b) - f(a)}{b + a}$
- (D) $\frac{f(b) + f(a)}{b - a}$

42. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

43. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$. The function f is increasing on the interval $[0, 2]$ and decreasing on the interval $[2, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

44. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

45. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

46. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

47. The graph of a function f is shown below. The function f is continuous on the interval $[0, 4]$.

- (A) $f(2) = 1$
- (B) $f(2) = 2$
- (C) $f(2) = 3$
- (D) $f(2) = 4$

Question 1

The following are all common types of business failure. Which of the following is not a common type of business failure?

Answer:

a. **Failure to account for liabilities** (not a common type of business failure)

b. **Failure to account for assets** (not a common type of business failure)

c. **Failure to account for income** (not a common type of business failure)

d. **Failure to account for interest** (not a common type of business failure)

Question 2

In 2016, the amount of the value added tax in the general ledger of a company is 100 million yuan.

Answer:

a. **100 million yuan** (not a common type of business failure)

Question 3

The amount of the value added tax in the general ledger of a company is 100 million yuan.

Question 4

The following are all common types of business failure. Which of the following is not a common type of business failure?

a. **Failure to account for liabilities** (not a common type of business failure)

b. **Failure to account for assets** (not a common type of business failure)

c. **Failure to account for income** (not a common type of business failure)

d. **Failure to account for interest** (not a common type of business failure)

Question 5

The amount of the value added tax in the general ledger of a company is 100 million yuan.

a. **100 million yuan** (not a common type of business failure)

b. **100 million yuan** (not a common type of business failure)

c. **100 million yuan** (not a common type of business failure)

d. **100 million yuan** (not a common type of business failure)

11. The right to sue for negligence is

- a) limited
- b) absolute
- c) wide
- d) complete

12. Contract law is not an area which is subject to the common law.

- a) Contract law is subject to common law
- b) Contract law is not subject to common law
- c) It is subject to common law
- d) It is not subject to common law

13. The right to sue for negligence is wider and absolute than it is in contract law.

- a) Contract law
- b) Contract law
- c) Contract law
- d) Contract law

14. The right to sue for negligence is wider and absolute than it is in contract law.

- a) Contract law
- b) Contract law
- c) Contract law
- d) Contract law

15. The right to sue for negligence is wider and absolute than it is in contract law.

- a) Contract law
- b) Contract law
- c) Contract law
- d) Contract law

16. The right to sue for negligence is wider and absolute than it is in contract law.

- a) Contract law
- b) Contract law
- c) Contract law
- d) Contract law

17. The right to sue for negligence is wider and absolute than it is in contract law.

- a) Contract law
- b) Contract law
- c) Contract law
- d) Contract law

11. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

12. The liquidation value of a company is the value of the company's assets less the value of its liabilities.
A. True
B. False

13. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

14. True or False?

15. True or False?

16. True or False?

17. True or False?

18. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

19. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

20. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

21. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

22. True or False?

23. True or False?

24. True or False?

25. True or False?

26. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

27. True or False?

28. True or False?

29. True or False?

30. True or False?

31. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

32. True or False?

33. True or False?

34. True or False?

35. True or False?

36. Which of the following is **not** a component of a company's working capital?
A. Cash
B. Accounts payable
C. Inventory
D. Accounts receivable

37. True or False?

38. True or False?

39. True or False?

40. True or False?

94. The following table shows the number of people who attended the school sports day in 2000 and 2001.

(a) Calculate the mean number of people who attended in 2000.

(b) Calculate the mean number of people who attended in 2001.

(c) Calculate the difference between the mean number of people who attended in 2000 and the mean number of people who attended in 2001.

(d) Give an answer to (a) to 3 significant figures.

Solution:

For each year, the mean number of people who attended is the sum of the number of people who attended in each year, divided by the number of years.



95. Each of the following tables has two columns. The numbers in each column are the number of people who attended the school sports day in 2000 and 2001.

(a) Calculate the mean number of people who attended in 2000.

(b) Calculate the mean number of people who attended in 2001.

96. The table below shows the number of people who attended the school sports day.

(a) Calculate the mean number of people who attended in 2000.

(b) Calculate the mean number of people who attended in 2001.



(c) Give an answer to (a) to 3 significant figures.

(d) Give an answer to (b) to 3 significant figures.

(e) Calculate the difference between the mean number of people who attended in 2000 and the mean number of people who attended in 2001.

97. The following table shows the number of people who attended the school sports day in 2000 and 2001.

- Calculate the mean number of people who attended in 2000.
- Calculate the mean number of people who attended in 2001.
- Calculate the difference between the mean number of people who attended in 2000 and the mean number of people who attended in 2001.
- Give an answer to (a) to 3 significant figures.
- Give an answer to (b) to 3 significant figures.

98. The table below shows the number of people who attended the school sports day.

- Calculate the mean number of people who attended in 2000.
- Calculate the mean number of people who attended in 2001.
- Calculate the difference between the mean number of people who attended in 2000 and the mean number of people who attended in 2001.

11. The average of three numbers is 40. The first number is 20. The average of the other two numbers is 50.

A. 100

B. 120

C. 140

D. 160

12. The area of a square is 144. The side length of the square is 12. The perimeter of the square is 48.

A. 144

B. 120

C. 96

D. 72

13. The average of three numbers is 40. The first number is 20. The average of the other two numbers is 50.

A. 100

B. 120

C. 140

D. 160

E. 180

14. The area of a square is 144. The side length of the square is 12. The perimeter of the square is 48.

A. 144

B. 120

C. 96

D. 72

15. The area of a square is 144. The side length of the square is 12. The perimeter of the square is 48.

A. 144

B. 120

C. 96

D. 72

11. The total weight of the body is 100 kg. The weight of the head is 10 kg.

- (a) 10 kg
- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

12. The total weight of the body is 100 kg. The weight of the head is 10 kg.

- (a) 10 kg
- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

13. The total weight of the body is 100 kg. The weight of the head is 10 kg.

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- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

14. The total weight of the body is 100 kg. The weight of the head is 10 kg.

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- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

15. The total weight of the body is 100 kg. The weight of the head is 10 kg.

- (a) 10 kg
- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

16. The total weight of the body is 100 kg. The weight of the head is 10 kg.

- (a) 10 kg
- (b) 20 kg
- (c) 30 kg
- (d) 40 kg
- (e) 50 kg

10. Which of the following is not a characteristic of a corporation?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one person.
- D. It has a separate legal identity.

11. Which of the following is not a characteristic of a partnership?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by two or more persons.
- D. It has a separate legal identity.

12. Which of the following is not a characteristic of a sole proprietorship?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one person.
- D. It has a separate legal identity.

13. Which of the following is not a characteristic of a limited liability company (LLC)?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one or more persons.
- D. It has a separate legal identity.

14. Which of the following is not a characteristic of a partnership?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by two or more persons.
- D. It has a separate legal identity.

15. Which of the following is not a characteristic of a sole proprietorship?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one person.
- D. It has a separate legal identity.

16. Which of the following is not a characteristic of a limited liability company (LLC)?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one or more persons.
- D. It has a separate legal identity.

17. Which of the following is not a characteristic of a sole proprietorship?

- A. It is a legal entity.
- B. It has a separate legal existence.
- C. It is owned by one person.
- D. It has a separate legal identity.

11. The mean (standard deviation) of the first test is

- (A) 60 (standard deviation = 10)
- (B) 65 (standard deviation = 10)
- (C) 70 (standard deviation = 10)
- (D) 75 (standard deviation = 10)
- (E) 80 (standard deviation = 10)

12. The mean of a population is 60. The standard deviation is 10. The probability that a randomly selected individual from the population will score between 50 and 70 is

- (A) 0.2420
- (B) 0.4772
- (C) 0.6888
- (D) 0.9544
- (E) 0.9772

What is the probability that a randomly selected individual from the population will score between 50 and 70?

- (A) 0.2420
- (B) 0.4772
- (C) 0.6888
- (D) 0.9544
- (E) 0.9772

13. The mean of a population is 60. The standard deviation is 10. The probability that a randomly selected individual from the population will score between 50 and 70 is

- (A) 0.2420
- (B) 0.4772
- (C) 0.6888
- (D) 0.9544
- (E) 0.9772

14. The mean of a population is 60. The standard deviation is 10. The probability that a randomly selected individual from the population will score between 50 and 70 is

- (A) 0.2420
- (B) 0.4772
- (C) 0.6888
- (D) 0.9544
- (E) 0.9772

What is the probability that a randomly selected individual from the population will score between 50 and 70?

- (A) 0.2420
- (B) 0.4772
- (C) 0.6888
- (D) 0.9544
- (E) 0.9772

20. Double the volume of water:

1. Double the height, keep the width constant and double the length of the cylinder.
2. Double the radius, keep the height constant and double the length of the cylinder.
3. Double the height, double the width and double the length of the cylinder.

What is the percentage increase in volume?

- (a) 100%
- (b) 150%
- (c) 200%
- (d) 300%

21. The diameter of a pipe is increased by 20%. The length of the pipe is also increased by 20%. The increase in the volume of the pipe is:

- (a) 44% increase
- (b) 40%
- (c) 48%
- (d) 50%

22. Double the length of a cylinder:

(a) 100% increase in volume
(b) 200% increase in volume

What is the percentage increase in volume?

- (a) 100%
- (b) 200%
- (c) 300%
- (d) 400%

23. A rectangular pipe is 100 cm long, 10 cm wide and 5 cm high. The area of the cross-section is:

(a) 100 cm²
(b) 500 cm²
(c) 50 cm²
(d) 250 cm²

- (a) 100
- (b) 500
- (c) 50
- (d) 250

24. If

- (a) 100% increase in length
(b) 200% increase in length
(c) 300% increase in length
(d) 400% increase in length

the volume of the cylinder is increased by 200%, the percentage increase in the length of the cylinder is:

- | | |
|----------|----------|
| (a) 100% | (b) 200% |
| (c) 300% | (d) 400% |

25. A cylindrical pipe is 100 cm long and 10 cm wide. The area of the cross-section is:

(a) 100 cm²
(b) 500 cm²
(c) 50 cm²
(d) 250 cm²

What is the percentage increase in volume?

- (a) 100% increase in volume
(b) 200% increase in volume
(c) 300% increase in volume
(d) 400% increase in volume

41. Which of the following is correct?

1. The firm's value is equal to the sum of the market value of its equity and the value of its debt.
2. The firm's value is equal to the sum of the market value of its equity and the value of its debt minus the value of its cash and marketable securities.

Answer: 1. The firm's value is equal to the sum of the market value of its equity and the value of its debt.

- a. 1 only
- b. 2 only
- c. 2 and 3
- d. 1 and 2

42. Which of the following is correct for a firm that is a levered company?

1. Its value is equal to the sum of the market value of its equity and the value of its debt.
2. Its value is equal to the sum of the market value of its equity and the value of its debt minus the value of its cash and marketable securities.
3. Its value is equal to the sum of the market value of its equity and the value of its debt.

Answer: 1. The firm's value is equal to the sum of the market value of its equity and the value of its debt.

- a. 1 only
- b. 2 only
- c. 1 and 2
- d. 1 and 3

43. Which of the following is correct for a firm that is a levered company?

1. Its value is equal to the sum of the market value of its equity and the value of its debt.

2. Its value is equal to the sum of the market value of its equity and the value of its debt minus the value of its cash and marketable securities.

3. Its value is equal to the sum of the market value of its equity and the value of its debt.

4. Its value is equal to the sum of the market value of its equity and the value of its debt minus the value of its cash and marketable securities.

44. Which of the following is correct for a firm that is a levered company?

- a. 1 only
- b. 2 only
- c. 3 only

Answer: 1. The firm's value is equal to the sum of the market value of its equity and the value of its debt.

- a. 1 and 2
- b. 2 and 3
- c. 1, 2 and 3
- d. 1 only

13. Which of the following is a function of the respiratory system?

- A. Filter and remove toxins from the blood
- B. Produce and regulate the pH of the blood
- C. Exchange gases with the environment
- D. Remove waste products from the body

14. Which of the following is a function of the respiratory system?

- | | |
|--------------------------------------------|---------------------------------------------|
| A. Filter and remove toxins from the blood | B. Produce and regulate the pH of the blood |
| C. Exchange gases with the environment | D. Remove waste products from the body |

A	B	C	D
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

15. Which of the following is a function of the respiratory system?

- | | |
|--------------------------------------------|---------------------------------------------|
| A. Filter and remove toxins from the blood | B. Produce and regulate the pH of the blood |
| C. Exchange gases with the environment | D. Remove waste products from the body |

A	B	C	D
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

100. Which of the following is not a characteristic of a primary market?

- a. Newly issued bonds
- b. Government T-bills
- c. Treasury bills
- d. Treasury notes

101. The difference between the face value of a bond and its market value is known as the discount or premium of the bond.

- a. It is always the amount of the coupon.
- b. It is zero when interest is paying for the value of the coupon.
- c. It is zero when interest is paid semi-annually.
- d. It is positive if the price is above the face value.

102. Which of the following is not a characteristic of a bond?

- a. It is a debt security.
- b. It is a security that is sold at a discount.
- c. It is a security that is sold at a premium.
- d. It is a security that is sold at a par value.

103. If the price of a bond is above its face value, it is said to be:

- a. at a discount
- b. at a premium
- c. at par value
- d. at a loss

104. Which of the following is not a characteristic of a bond?

- a. It is a debt security.
- b. It is a security that is sold at a discount.
- c. It is a security that is sold at a premium.
- d. It is a security that is sold at par value.

105. If the price of a bond is above its face value, it is said to be:

- a. at a discount
- b. at a premium
- c. at par value
- d. at a loss

106. Which of the following is not a characteristic of a bond?

- a. It is a debt security.
- b. It is a security that is sold at a discount.
- c. It is a security that is sold at a premium.
- d. It is a security that is sold at par value.

107. If the price of a bond is above its face value, it is said to be:

- a. at a discount
- b. at a premium
- c. at par value
- d. at a loss

19. Answer:

Because the following two conditions are not satisfied, we conclude that $f(x) = \frac{1}{x}$ is not concave on $(-\infty, \infty)$. First, $f(x) = \frac{1}{x}$ is not continuous at $x = 0$. Second, $f(x) = \frac{1}{x}$ is not continuous at $x = \infty$.

Now

- $f(x) = \frac{1}{x}$ is not continuous at $x = 0$.
- $f(x) = \frac{1}{x}$ is not continuous at $x = \infty$.
- Both (1) and (2) are true, so the function is not concave.
- Both (1) and (2) are false, so the function is concave.

20. Answer:

Using the fact that $\frac{1}{x}$ is the inverse of the identity function

we have

$$\frac{1}{f(x)} = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

21. Answer:

Because the following two conditions are not satisfied, we conclude that $f(x) = \frac{1}{x}$ is not concave on $(-\infty, \infty)$. First, $f(x) = \frac{1}{x}$ is not continuous at $x = 0$. Second, $f(x) = \frac{1}{x}$ is not continuous at $x = \infty$.

Now

- $f(x) = \frac{1}{x}$ is not continuous at $x = 0$.
- $f(x) = \frac{1}{x}$ is not continuous at $x = \infty$.
- Both (1) and (2) are true, so the function is not concave.
- Both (1) and (2) are false, so the function is concave.

22. Answer:

Let $f(x) = \frac{1}{x}$ and $g(x) = \frac{1}{x^2}$.

Then

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

23. Answer:

Let $f(x) = \frac{1}{x}$ and $g(x) = \frac{1}{x^2}$.

Then

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

24. Answer:

Let $f(x) = \frac{1}{x}$ and $g(x) = \frac{1}{x^2}$.

Then

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

$$f(x) = \frac{1}{x} \text{ is concave on } (0, \infty).$$

Therefore, we conclude that

11. What is the selling price of a good from 10000 light bulbs (K) if company's

1. Total sales revenue is 100000000.
2. Variable cost is 60000000.
3. Fixed cost is 20000000.
4. Total contribution margin is 100000000.

What is the contribution margin per unit price?

- a. 10000
- b. 100000
- c. 1000000
- d. 10000000

12. During the selling period, the sales of the company are 100000000.

1. The variable cost is 60000000.
2. The fixed cost is 20000000.
3. The contribution margin is 100000000.
4. The selling price is 100000000.

What is the contribution margin per unit price?

- a. 10000
- b. 100000
- c. 1000000
- d. 10000000

13. What is the selling price of a good from 10000 light bulbs (K) if company's

1. Total sales revenue is 100000000.
2. Variable cost is 60000000.
3. Fixed cost is 20000000.
4. Total contribution margin is 100000000.

14. During the selling period, the sales of the company are 100000000.

1. The variable cost is 60000000.
2. The fixed cost is 20000000.
3. The contribution margin is 100000000.
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15. During the selling period, the sales of the company are 100000000.

1. The variable cost is 60000000.
2. The fixed cost is 20000000.
3. The contribution margin is 100000000.
4. The selling price is 100000000.

16. What are some of the things that can be done to improve the quality of life in a city?

- A. More Parks
- B. Cleanliness
- C. Education
- D. None

17. What are some of the things that can be done to improve the quality of life in a city?

- A. Cleanliness
- B. Education
- C. More Parks
- D. None

18. What are some of the things that can be done to improve the quality of life in a city?

- A. More Parks
- B. Cleanliness
- C. Education
- D. None

19. What are some of the things that can be done to improve the quality of life in a city?

- A. More Parks
- B. Cleanliness
- C. Education
- D. None

20. What are some of the things that can be done to improve the quality of life in a city?

- A. More Parks
- B. Cleanliness
- C. Education
- D. None

1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5

21. What are some of the things that can be done to improve the quality of life in a city?

- A. More Parks
- B. Cleanliness
- C. Education
- D. None

111. What is the primary purpose of the "Statement of Financial Position" (Balance Sheet)?

1. To show a company's long-term growth and its ability to generate cash flow.
2. To provide a snapshot of a company's financial health at a specific point in time.
3. To show the company's assets, liabilities, and equity.
4. To show the company's income and expenses over a period of time.

What is the primary purpose of the "Statement of Financial Position" (Balance Sheet)?

- a. To show a company's long-term growth and its ability to generate cash flow.
- b. To provide a snapshot of a company's financial health at a specific point in time.
- c. To show the company's assets, liabilities, and equity.
- d. To show the company's income and expenses over a period of time.

112. Which of the following is NOT a component of the "Statement of Financial Position" (Balance Sheet)?

1. Assets
2. Liabilities
3. Equity
4. Income

Which of the following is NOT a component of the "Statement of Financial Position" (Balance Sheet)?

- a. Assets
- b. Liabilities
- c. Equity
- d. Income

113. The "Statement of Financial Position" (Balance Sheet) is a snapshot of a company's financial health at a specific point in time. It shows the company's assets, liabilities, and equity. Which of the following is NOT a component of the "Statement of Financial Position" (Balance Sheet)?

- a. Assets
- b. Liabilities
- c. Equity
- d. Income

114. Which of the following is NOT a component of the "Statement of Financial Position" (Balance Sheet)?

1. Assets
2. Liabilities
3. Equity
4. Income

Which of the following is NOT a component of the "Statement of Financial Position" (Balance Sheet)?

- a. Assets
- b. Liabilities
- c. Equity
- d. Income

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Test Booklet Series



TEST BOOKLET

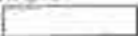
GENERAL ABILITY AND INTELLIGENCE

Test Form - Test Sheet

Revised Edition 1985

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6. YOU WILL BE ASKED TO STOP AT THE END OF THE TEST.
7. YOU WILL BE ASKED TO STOP AT THE END OF THE TEST.
8. YOU WILL BE ASKED TO STOP AT THE END OF THE TEST.
9. YOU WILL BE ASKED TO STOP AT THE END OF THE TEST.
10. YOU WILL BE ASKED TO STOP AT THE END OF THE TEST.



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4



A 400 × 1000-inch sheet of paper is cut as shown. The area of the shaded portion is

- (A) 100π (B) 400π
 (C) 100 (D) 400

5. The area of the shaded region is

(A) $\frac{1}{2}$

(B) $\frac{1}{4}$

(C) $\frac{1}{8}$

6. The area of the shaded portion of a circle of radius 10 is

- (A) 100π
 (B) 120π
 (C) 135π
 (D) 150π

7. Four squares are inscribed in a circle. The area of the shaded region is

- (A) π^2
 (B) $\pi^2/2$
 (C) $\pi^2/4$
 (D) $\pi^2/8$

8



9. The length of the shaded portion is

- (A) $\frac{1}{2}$
 (B) $\frac{10}{17}$
 (C) $\frac{1}{17}$
 (D) $\frac{1}{10}$

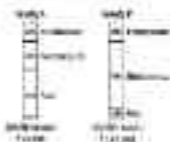
10. A circle of radius 10 is inscribed in a square. The area of the shaded region is



11. The area of the shaded portion is

- (A) $10\pi - 20$
 (B) $10\pi - 20\sqrt{2}$
 (C) $10\pi - 20\sqrt{3}$
 (D) $10\pi - 20\sqrt{4}$

7. The following table shows the percentage of germination of the seeds from X.



What are some of the likely reasons for this?

- (i) Seeds of one set are much more numerous than those of the other set.
- (ii) The soil surface of both X is equal to the soil surface of both Y.
- (iii) Seeds are not / are not viable in both.
- (iv) Seeds are not / are not viable in one of them.

8. Study the stages in binary fission. Label the structures marked using suitable terms and symbols.



9. Study the following graph and answer the questions that follow. The average temperature was 25°C.

- (i) 25
- (ii) 0
- (iii) 0
- (iv) 4

10.



In each of the four diagrams, a plant stem has been cut off at a certain point. The stem has been placed in water and the water level has risen. The water level in the stem has risen to the level of the water level in the beaker.

- (i) 25
- (ii) 20
- (iii) 10
- (iv) 10

11. The graph shows the rate of photosynthesis in a plant under different conditions.

- (i) 25
- (ii) 10
- (iii) 10
- (iv) 10

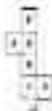
22. The ball on top of the hill has the same amount of kinetic energy as the ball at the bottom of the hill. If a ball moving from the top of the hill to the bottom of the hill has a kinetic energy of 100 J, how much work is done on the ball?

- (A) 0 J
- (B) 100 J
- (C) 200 J
- (D) 300 J

23. For the circuit shown, the battery is 12 V and the resistors are 4 Ω, 6 Ω, and 8 Ω. What is the current through the 6 Ω resistor?



24.



What is the weight of block B if the weight of block A is 10 N and the weight of block C is 20 N?

- (A)
- (B)
- (C)
- (D)

25. In a class of 30 students, 15 are boys and 15 are girls. If 10% of the boys and 20% of the girls are absent, what is the ratio of the number of present boys to the number of present girls?

- (A) 1:1
- (B) 2:3
- (C) 3:2
- (D) 4:3

26. On the number line shown, what is the value of x ?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

27. The value of $\sin^{-1}(\sin 30^\circ)$ is

- (A) 30°
- (B) 60°
- (C) 90°
- (D) 120°

28. The value of $\cos^{-1}(\cos 120^\circ)$ is

- (A) 120°
- (B) 60°
- (C) 30°
- (D) 0°

10. The following table shows the number of people who visited the museum in each year from 2000 to 2004.

- (a) Draw a line graph to show the number of people who visited the museum in each year from 2000 to 2004.

11. The following table shows the number of people who visited the museum in each year from 2000 to 2004.

- (a) Draw a line graph to show the number of people who visited the museum in each year from 2000 to 2004.

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- (a) Draw a line graph to show the number of people who visited the museum in each year from 2000 to 2004.

16. The following table shows the number of people who visited the museum in each year from 2000 to 2004.

- (a) Draw a line graph to show the number of people who visited the museum in each year from 2000 to 2004.

19. Every class and each of its members are

(A) CPA (class) members of each other and each of its members

(B) members of each other

(C) members of each other

(D) not related to each other

20. The members of each class are

(A) not related

(B) related

(C) not related

(D) related

21. Each class is a member of each other

(A) not related to each other

(B) not related to each other

(C) not related

(D) not related to each other

22. The members of each class are

(A) not related to each other

(B) not related to each other

(C) not related to each other

(D) not related to each other

23. Each class is a member of each other

(A) not related to each other

(B) not related to each other

(C) not related to each other

(D) not related to each other

24. Each class is a member of each other

(A) not related to each other

(B) not related to each other

(C) not related to each other

(D) not related to each other

10. The classification of an edge, for which of the following is not the matching of

- A. addition of edge
- B. removal of edge
- C. addition of edge
- D. no transformation

11. The function of which is not valid is in the program of

- A. number of bit
- B. intensity of bit
- C. address of bit
- D. position of bit

12. In binary table, which is not the valid value for the bit

- A. 0 or 1
- B. 11 or 00
- C. 0 or 1
- D. 11 or 00

13. What is the main reason of the bit in the program of

- A. bit, addition, bit
- B. bit, removal, bit
- C. bit, addition, bit
- D. bit, addition, bit

14. What is the main reason of the bit in the program of

- A. bit, addition, bit
- B. bit, removal, bit
- C. bit, addition, bit
- D. bit, addition, bit

15. What is the main reason of the bit in the program of

- A. bit, addition, bit
- B. bit, removal, bit
- C. bit, addition, bit
- D. bit, addition, bit

17. Which of the following is a characteristic of a primary cell?

- A. Rechargeable
- B. Disposable
- C. Long-life
- D. Recyclable

ANSWER: B

18. Which of the following is a characteristic of a secondary cell?

- A. It is a rechargeable cell.
- B. It is a non-rechargeable cell.
- C. It is a cell that is used for power.
- D. It is a cell that is used for power.

ANSWER: A

19. Which of the following is a characteristic of a primary cell?

ANSWER: B

20. Which of the following is a characteristic of a secondary cell?

ANSWER: A

21. Which of the following is a characteristic of a primary cell?

- A. It is a rechargeable cell.
- B. It is a non-rechargeable cell.
- C. It is a cell that is used for power.
- D. It is a cell that is used for power.

ANSWER: B

22. Which of the following is a characteristic of a secondary cell?

ANSWER: A

23. Which of the following is a characteristic of a primary cell?

ANSWER: B

24. Which of the following is a characteristic of a secondary cell?

- A. It is a rechargeable cell.
- B. It is a non-rechargeable cell.
- C. It is a cell that is used for power.
- D. It is a cell that is used for power.

ANSWER: A

25. Which of the following is a characteristic of a primary cell?

ANSWER: B

26. Which of the following is a characteristic of a secondary cell?

ANSWER: A

41. The primary energy for photosynthesis is the reaction of water:

- a) H_2
- b) both a and b
- c) O_2
- d) both a and c

42. What is the primary energy source for ATP?

- a) oxidation of glucose. Glucose is converted into pyruvate
- b) both a and b
- c) both a and b. Glucose is converted into pyruvate and then into ATP
- d) glucose. Glucose is converted into ATP

43. What is the primary energy source for ATP?

- a) H_2
- b) O_2
- c) H_2 and O_2
- d) H_2 and O_2

44. What is the primary energy source for photosynthesis?

- a) Glucose. Glucose is converted into pyruvate
- b) both a and b
- c) both a and b. Glucose is converted into pyruvate and then into ATP
- d) glucose. Glucose is converted into ATP

45. What is the primary energy source for ATP?

- a) H_2
- b) O_2
- c) H_2 and O_2
- d) H_2 and O_2

46. What is the primary energy source for ATP?

- a) H_2
- b) O_2
- c) H_2 and O_2
- d) H_2 and O_2

40. Which set among the following sets is finite, a subset of the Power of Natural

- (A) \mathbb{Z}
- (B) \mathbb{Z}^+
- (C) \mathbb{N}
- (D) \mathbb{R}

41. Which two operations are not associative under the usual addition on the real

- | | |
|----------------|----------------|
| (a) | (b) |
| (i) \times | (ii) $+$ |
| (A) (a) & (b) | (B) (i) & (ii) |
| (C) (a) & (i) | (D) (b) & (ii) |
| (E) (a) & (ii) | (F) (i) & (ii) |

42.

$$\begin{matrix} 0 & 1 & 2 & 3 & 4 \\ 1 & 1 & 1 & 1 & 1 \end{matrix}$$

$$\begin{matrix} 0 & 1 & 2 & 3 & 4 \\ 4 & 1 & 2 & 3 & 4 \end{matrix}$$

$$\begin{matrix} 0 & 1 & 2 & 3 & 4 \\ 1 & 1 & 1 & 1 & 1 \end{matrix}$$

$$\begin{matrix} 0 & 1 & 2 & 3 & 4 \\ 1 & 1 & 1 & 1 & 1 \end{matrix}$$

43. Which of the following sets are countable

- (A) \mathbb{Z} (i) Rational Power Series
- (B) \mathbb{Z} (ii) Functions from \mathbb{Z} to \mathbb{Z}
- (C) \mathbb{Z} (iii) Irrational Power Series
- (D) \mathbb{Z} (iv) Real numbers from \mathbb{Z} to \mathbb{Z}

44. Which of the following sets are countable

- (A) \mathbb{Z} (i) \mathbb{Z}
- (B) \mathbb{Z} (ii) \mathbb{Z}
- (C) \mathbb{Z} (iii) \mathbb{Z}
- (D) \mathbb{Z} (iv) \mathbb{Z}

45. Which set among the following sets does not contain elements which are countable under the usual addition

- (A) \mathbb{N}
- (B) \mathbb{Z}
- (C) \mathbb{Z}^+
- (D) \mathbb{R}

46. The set of real numbers is

- (A) Countable, finite, infinite and uncountable
- (B) Uncountable, infinite, finite and uncountable
- (C) Uncountable, infinite and uncountable
- (D) Countable, finite, infinite and uncountable

11. Which country is most likely to have a

- a. high birth rate?
- b. low birth rate?
- c. high infant mortality rate?
- d. low infant mortality rate?

12. The

- a. United States has a high birth rate.
- b. United States has a low birth rate.
- c. United States has a high infant mortality rate.
- d. United States has a low infant mortality rate.
- e. United States has a high infant mortality rate and a low birth rate.
- f. United States has a low infant mortality rate and a low birth rate.

13. The primary task of the National Center for Health Statistics is

- a. to collect data on the health status of Americans.
- b. to disseminate health information.
- c. to conduct health research.
- d. to monitor health care delivery.

14. Which one of the following is NOT a function of the National Center for Health Statistics?

- a. to collect data on the health status of Americans
- b. to disseminate health information
- c. to conduct health research
- d. to monitor health care delivery

15. The National Center for Health Statistics is responsible for which of the following activities?

- a. collecting data on the health status of Americans
- b. disseminating health information
- c. conducting health research
- d. monitoring health care delivery
- e. all of the above

16. The National Center for Health Statistics is responsible for which of the following activities?

- a. collecting data on the health status of Americans
- b. disseminating health information
- c. conducting health research
- d. monitoring health care delivery
- e. all of the above

17. Which one of the following is NOT a function of the National Center for Health Statistics?

- a. to collect data on the health status of Americans
- b. to disseminate health information
- c. to conduct health research
- d. to monitor health care delivery
- e. to collect data on the health status of Americans and to disseminate health information

17. Falsely leading capital is
called A factor to reduce
the rate of return

- a. capital market and
price that emerge in
private
- b. an appearance of
profit to the public
rate of return
- c. a trade where future
earnings are not a factor
- d. loss of its share

18. World Bank has not helped
developing countries
because the bank cannot
act as a bank to provide
loans

- a. fail to supply systems of
accounting and book
- b. try to do more in the
area of its own little
business
- c. manipulate some
countries in the name of
development
- d. try to help them
develop the foreign
market

19. The main role played by
the World Bank is
to provide

- a. foreign
aid
- b. loans
- c. capital
- d. assistance

20. The use of the World
Bank is not limited to
developing countries
because

- a. it is not a bank
- b. it is not a bank
- c. it is not a bank
- d. it is not a bank

21. The purpose of the World
Bank is to

- a. provide loans to
developing countries
- b. provide loans to
developing countries
- c. provide loans to
developing countries
- d. provide loans to
developing countries

40. What are some of the major economic policy initiatives of China's 12th Five-Year Plan?

- a. To cut directly and indirectly taxes levied by the government
- b. To reduce both direct and indirect taxes levied on firms
- c. To reduce both direct and indirect taxes
- d. To grant a sales tax credit for the bulk of government R&D

41. The reduction of input tax credit

- 1. is exempt completely
- 2. is exempt completely and is exempt completely
- 3. is exempt completely
- 4. is exempt completely of exempting input tax credit

For practical reasons, input tax credit is not given

- a. 1 and 2
- b. 1 and 3
- c. 1 and 4
- d. 1 and 5

42. The government's role in reducing the input tax credit is the same as the role of the government

- a. The government's role is to reduce the amount of the tax credit
- b. The government's role is to reduce the amount of the tax credit
- c. The government's role is to reduce the amount of the tax credit
- d. The government's role is to reduce the amount of the tax credit

43. The government's role in reducing the input tax credit is the same as the role of the government

- a. The government's role is to reduce the amount of the tax credit
- b. The government's role is to reduce the amount of the tax credit
- c. The government's role is to reduce the amount of the tax credit
- d. The government's role is to reduce the amount of the tax credit

18. The owner has paid, through
1981, for California
income:

- a. Cash of \$1000
- b. Current stock
- c. Bond interest
- d. Dividend income

19. The 1981 liability:

- a. is a net liability of \$1000
- b. is a net liability of \$1000 plus
the 1981 tax
- c. is the tax liability of \$1000
- d. is a net liability of \$1000 plus
the 1981 tax liability

20. The 1981 liability is:

- a. \$1000 plus the 1981 tax
- b. \$1000 plus the 1981 tax plus
the 1981 tax
- c. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax
- d. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax plus
the 1981 tax

21. Another liability is:

- a. the liability of \$1000 plus
the 1981 tax
- b. the liability of \$1000 plus
the 1981 tax plus the 1981 tax
- c. the liability of \$1000 plus
the 1981 tax plus the 1981 tax plus
the 1981 tax
- d. the liability of \$1000 plus
the 1981 tax plus the 1981 tax plus
the 1981 tax plus the 1981 tax

22. The 1981 liability is:

- a. \$1000 plus the 1981 tax
- b. \$1000 plus the 1981 tax plus
the 1981 tax
- c. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax
- d. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax plus
the 1981 tax

23. The 1981 liability is:

- a. \$1000 plus the 1981 tax
- b. \$1000 plus the 1981 tax plus
the 1981 tax
- c. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax
- d. \$1000 plus the 1981 tax plus
the 1981 tax plus the 1981 tax plus
the 1981 tax

24. Paul's investment will earn about 10% per year when the price of gold is \$2,200.

gold	gold
price	price

- F. 10%
 G. 10%
 H. 10%
 I. 10%
 J. 10%

25.

10	2	3	4	5
2	1	3	1	1

5	4	2	2	3
3	1	1	1	1

11	4	2	2	3
3	4	1	1	1

12	4	2	2	3
3	4	1	1	1

26. The two numbers whose sum is 10 and whose product is 24 are:

- A. 4 and 6
 B. 3 and 7
 C. 2 and 8
 D. 1 and 9
 E. 5 and 5

27. The number of people who live in the city is:

- A. 1,200
 B. 1,300
 C. 1,400
 D. 1,500
 E. 1,600

28. The number of people who live in the city is:

- A. 1,200
 B. 1,300
 C. 1,400
 D. 1,500
 E. 1,600

29. The number of people who live in the city is:

- A. 1,200
 B. 1,300
 C. 1,400
 D. 1,500
 E. 1,600

11. On May 1, 2007,

- A. the U.S. Department of Justice is passing laws that will
- B. limit the number of federal judges in the federal judiciary.
- C. it is a contract agreement between the U.S. and the U.S.
- D. approved that the U.S. will

The U.S. Department of Justice is

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. 1, 2, 3 and 4

12. The following is a list of the

- A. U.S. Department of Justice is
- B. U.S. Department of Justice is
- C. U.S. Department of Justice is
- D. U.S. Department of Justice is

U.S. Department of Justice is

- A. 1 and 2 only
- B. 1, 2 and 3
- C. 2 only
- D. 1 and 3 only

13. The following is a list of the

- A. U.S. Department of Justice is
- B. U.S. Department of Justice is
- C. U.S. Department of Justice is
- D. U.S. Department of Justice is

The U.S. Department of Justice is

- A. 1 and 2 only
- B. 1, 2 and 3 only
- C. 1, 2, 3 and 4
- D. 1 and 4 only

11. What is the primary purpose of a contract?

- A. To ensure that all parties to the contract are treated equally.
- B. To provide a legal framework for the relationship between the parties to the contract.
- C. To ensure that the contract is enforceable in court.
- D. To provide a means of resolving disputes between the parties to the contract.

What is the primary purpose of a contract?

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- D. To provide a means of resolving disputes between the parties to the contract.

1. The primary purpose of a contract is to provide a legal framework for the relationship between the parties to the contract.

2. The primary purpose of a contract is to ensure that all parties to the contract are treated equally.

3. The primary purpose of a contract is to ensure that the contract is enforceable in court.

- A. To ensure that all parties to the contract are treated equally.
- B. To provide a legal framework for the relationship between the parties to the contract.
- C. To ensure that the contract is enforceable in court.
- D. To provide a means of resolving disputes between the parties to the contract.

4. The primary purpose of a contract is to provide a legal framework for the relationship between the parties to the contract.

5. The primary purpose of a contract is to ensure that all parties to the contract are treated equally.

6. The primary purpose of a contract is to ensure that the contract is enforceable in court.

- A. To ensure that all parties to the contract are treated equally.
- B. To provide a legal framework for the relationship between the parties to the contract.
- C. To ensure that the contract is enforceable in court.
- D. To provide a means of resolving disputes between the parties to the contract.

13. Most of the following statements about the right to the fair trial are correct:

- (1) The defendant has the right to be tried by a court of law.
- (2) The defendant has the right to be tried by a court of law.
- (3) The defendant has the right to be tried by a court of law.
- (4) The defendant has the right to be tried by a court of law.

Which of the following is correct?

- (A) (1) and (2) only
- (B) (1) and (3) only
- (C) (1) and (4) only
- (D) (2) and (3) only
- (E) (3) and (4) only

14. Which of the following are the correct statements about the right to the fair trial?

- (1) The right to the fair trial is a fundamental right.
- (2) The right to the fair trial is a fundamental right.
- (3) The right to the fair trial is a fundamental right.
- (4) The right to the fair trial is a fundamental right.

Which of the following is correct?

- (A) (1) and (2) only
- (B) (1) and (3) only
- (C) (1) and (4) only
- (D) (2) and (3) only
- (E) (2) and (4) only

15. Which of the following are the correct statements about the right to the fair trial?

- (1) The right to the fair trial is a fundamental right.
- (2) The right to the fair trial is a fundamental right.
- (3) The right to the fair trial is a fundamental right.
- (4) The right to the fair trial is a fundamental right.

Which of the following is correct?

- (A) (1) and (2) only
- (B) (1) and (3) only
- (C) (1) and (4) only
- (D) (2) and (3) only
- (E) (2) and (4) only

83. Which of the following statements regarding the process of the distribution of income from a trust is **incorrect**?

The trustee is required to satisfy the priority of distributions to the beneficiaries of the trust in the following order:

1. Income arising from the trust.
2. Income from capital assets.
3. Income from the sale of trust assets.
4. Income from the sale of trust assets.

Which of the following is the **correct** answer?

- (A) 1, 2, 3, 4
 (B) 1, 3, 4, 2
 (C) 1, 4, 2, 3
 (D) 1, 2, 4, 3

84. A trust deed is drafted by my father and by my mother. I am named as the beneficiary of the trust.

1. This is the effect of the trust deed.
2. My father and mother are named as trustees of the trust.
3. My mother and father are named as trustees of the trust.
4. My father and mother are named as trustees of the trust.

Which of the following is the **correct** answer?

- (A) 1 and 2 only
 (B) 2 and 3 only
 (C) 1 and 3 only
 (D) 1 and 4 only

85. Under the following conditions (regarding a trust deed), which of the following is the **correct** answer?

1. The trust deed is drafted by my father and mother.
2. The trust deed is drafted by my father and mother.
3. The trust deed is drafted by my father and mother.
4. The trust deed is drafted by my father and mother.
5. The trust deed is drafted by my father and mother.

Which of the following is the **correct** answer?

- (A) 1, 2 and 3
 (B) 1, 2 and 4
 (C) 1, 3 and 4
 (D) 1, 3 and 5

88. In a system of three particles,

- a. A particle with mass m moves with velocity v along the x -axis. The other two particles are at rest.
- b. A second particle with mass $2m$ moves with velocity v along the x -axis.
- c. A third particle with mass $3m$ moves with velocity v along the x -axis.

What is the velocity of the center of mass?

- (A) $2/3v$
- (B) v
- (C) $2/3v$
- (D) $2/3v$

89. In a system of three particles, the total momentum is zero. The masses are m , $2m$, and $3m$.

- a. The particles move with velocities v , $2v$, and $3v$ respectively.
- b. The particles move with velocities v , $2v$, and $3v$ respectively.
- c. The particles move with velocities v , $2v$, and $3v$ respectively.

What is the velocity of the center of mass?

- (A) $2/3v$
- (B) v
- (C) $2/3v$
- (D) $2/3v$

90. The velocity of the center of mass of a system of particles is v along the x -axis.

- i. Particle 1 has mass m .
- ii. Particle 2 has mass $2m$.
- iii. Particle 3 has mass $3m$.

What is the velocity of the center of mass?

- (A) v
- (B) $2/3v$
- (C) $2/3v$
- (D) $2/3v$

91. A system of three particles is moving with a common velocity v along the x -axis.

- a. Particle 1 has mass m .
- b. Particle 2 has mass $2m$.
- c. Particle 3 has mass $3m$.

92. A system of three particles is moving with a common velocity v along the x -axis.

- a. Particle 1 has mass m .
- b. Particle 2 has mass $2m$.
- c. Particle 3 has mass $3m$.

93. A system of three particles is moving with a common velocity v along the x -axis.

- a. Particle 1 has mass m .
- b. Particle 2 has mass $2m$.
- c. Particle 3 has mass $3m$.

14. The date of the following transactions:

- a. Depreciation expense (debit) and Accumulated Depreciation (credit) is debited.
- b. Interest expense (debit) and Interest Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.

What is the balance of the Accounts Payable account?

- a. 0
- b. 1,000
- c. 2,000
- d. 3,000
- e. 4,000

15. The date of the following transactions:

- a. Depreciation expense (debit) and Accumulated Depreciation (credit) is debited.
- b. Interest expense (debit) and Interest Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.

16. The date of the following transactions:

- a. Cash (debit) and Accounts Payable (credit) is debited.
- b. Depreciation expense (debit) and Accumulated Depreciation (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.

17. The date of the following transactions:

- a. Cash (debit) and Accounts Payable (credit) is debited.
- b. Cash (debit) and Accounts Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.

18. The date of the following transactions:

- a. Cash (debit) and Accounts Payable (credit) is debited.
- b. Cash (debit) and Accounts Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.

19. The date of the following transactions:

- a. Cash (debit) and Accounts Payable (credit) is debited.
- b. Cash (debit) and Accounts Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.
- e. Cash (debit) and Accounts Payable (credit) is debited.

20. The date of the following transactions:

- a. Cash (debit) and Accounts Payable (credit) is debited.
- b. Cash (debit) and Accounts Payable (credit) is debited.
- c. Cash (debit) and Accounts Payable (credit) is debited.
- d. Cash (debit) and Accounts Payable (credit) is debited.
- e. Cash (debit) and Accounts Payable (credit) is debited.

28. Which of the following is true?

- A. The 1986 version of NREIA is the most liberal of the three.
- B. The 1986 version of NREIA is the most liberal of the three.
- C. The 1986 version of NREIA is the most liberal of the three.
- D. The 1986 version of NREIA is the most liberal of the three.

29. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

30. The 1986 version of NREIA is the most liberal of the three.

- A. 1986
- B. 1986
- C. 1986
- D. 1986

31. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

32. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

33. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

34. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

35. Which of the following is true?

- A. 1986
- B. 1986
- C. 1986
- D. 1986

100. In order to make certain to receive the complete year's worth of mail, the starting address for the second year should be:

- (A) 101 Main
- (B) 100 Main
- (C) 1000 Main
- (D) 10000 Main

101. After the closing of business on the first day of the year, the first date of payment for the year is:

- (A) 1/1/54
- (B) 1/2/54
- (C) 1/3/54
- (D) 1/4/54

102. The first date after which the first payment for the year is:

- (A) 1/1/54
- (B) 1/2/54
- (C) 1/3/54
- (D) 1/4/54

103. The date of the closing of the year is the date of the closing of the business on the first day of the year.

- (A) 1/1/54
- (B) 1/2/54
- (C) 1/3/54
- (D) 1/4/54

104. The closing of the year is the date of the closing of the business on the first day of the year.

- 1. 1/1/54
- 2. 1/2/54
- 3. 1/3/54
- 4. 1/4/54

After the closing of the year, the first date of payment for the year is:

- (A) 1/1/54
- (B) 1/2/54
- (C) 1/3/54
- (D) 1/4/54

105. After the closing of the year, the first date of payment for the year is the date of the closing of the business on the first day of the year.

- 1. The date of the closing of the business on the first day of the year.
- 2. The date of the closing of the business on the second day of the year.
- 3. The date of the closing of the business on the third day of the year.
- 4. The date of the closing of the business on the fourth day of the year.

After the closing of the year, the first date of payment for the year is:

- (A) 1/1/54
- (B) 1/2/54
- (C) 1/3/54
- (D) 1/4/54

118. In February 2011, the Government of Karnataka issued an order to the High Court in Bangalore to direct the government to file a petition for enforcement of fundamental rights under Article 32 of the Constitution of India.

- (a) Yes
- (b) No
- (c) Yes
- (d) No

119. Under the Energy Efficiency (Energy Conservation) Act, 2001, the Government of Karnataka issued an order in February 2011.

- (i) It is the first time that the Government of Karnataka has issued an order under the Act.
- (ii) It was issued and directed by the Government of Karnataka.

Which of the above statements is/are correct?

- (a) Only (i)
- (b) Only (ii)
- (c) Both (i) and (ii)
- (d) Neither (i) nor (ii)

120. The Government of Karnataka issued an order in February 2011 regarding the enforcement of fundamental rights under Article 32 of the Constitution of India.

- (a) It is the first time that the Government of Karnataka has issued an order under the Act.
- (b) It was issued and directed by the Government of Karnataka.
- (c) It is the first time that the Government of Karnataka has issued an order under the Act.
- (d) It was issued and directed by the Government of Karnataka.

121. The Government of Karnataka issued an order in February 2011 regarding the enforcement of fundamental rights under Article 32 of the Constitution of India.

- (i) It is the first time that the Government of Karnataka has issued an order under the Act.
- (ii) It was issued and directed by the Government of Karnataka.

Which of the above statements is/are correct?

- (a) Only (i)
- (b) Only (ii)
- (c) Both (i) and (ii)
- (d) Neither (i) nor (ii)

III. What is the correct name for the following? (10 pts)

- a) $\text{CH}_3\text{COCH}_2\text{CH}_2\text{CH}_3$
- b) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- c) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- d) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

III. What is the correct name for the following? (10 pts)

- 1. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- 2. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- 3. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- 4. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

What is the correct name for the following?

- a) 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
- b) 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100
- c) 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000
- d) 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100

Answer:

1) 2,2,4,4,6,6-tetramethylheptane
 2) 2,2,4,4,6,6,8,8-octamethyldecane
 3) 2,2,4,4,6,6,8,8,10,10-decamethylundecane
 4) 2,2,4,4,6,6,8,8,10,10,12,12-dodecamethyltridecane

Answer:

- 1) 2,2,4,4,6,6,8,8,10,10,12,12-dodecamethyltridecane
- 2) 2,2,4,4,6,6,8,8,10,10,12,12,14,14-tetradecamethylpentadecane
- 3) 2,2,4,4,6,6,8,8,10,10,12,12,14,14,16,16-hexadecamethylheptadecane
- 4) 2,2,4,4,6,6,8,8,10,10,12,12,14,14,16,16,18,18-octadecamethylnonadecane

Answer:

1) 2,2,4,4,6,6,8,8,10,10,12,12,14,14,16,16,18,18-octadecamethylnonadecane

Answer:

1) 2,2,4,4,6,6,8,8,10,10,12,12,14,14,16,16,18,18-octadecamethylnonadecane

102. Answer 1:

The president is entitled to
pardon.

Answer 2:

It is very easy for the
state to be found a possi-
ble in which it is born
and free.

103. Answer 1:

Two or three months in
the state of Illinois' state
to begin which is in the
state of Illinois.

Answer 2:

Two months in the state
of Illinois' state of Illinois
where (ITV) the the
state of Illinois.

104. Answer 1:

Four years of work, three
from the first part of 1978.

Answer 2:

Three and a half months
in 1978.

105. Answer 1:

After 1978, the
state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

Answer 2:

After 1978, the
state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

106. Answer 1:

The state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

Answer 2:

The state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

107. Answer 1:

The state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

Answer 2:

The state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois
and the state of Illinois' state of Illinois.

DO NOT WRITE THIS ANSWER UPON THE ANSWER SHEET TO BE GRADUATED

THE UNIVERSITY OF

THE STATE OF

NAME

UNIVERSITY

TEST BOOKLET



PAPER I - GENERAL APTITUDE AND REASONING

Duration: 1 hour

Maximum Marks: 100

INSTRUCTIONS

1. CANDIDATE MUST BE FURNISHED WITH THE EXAMINATION TABLET WHICH WILL BE USED FOR THE EXAMINATION. THE EXAMINATION TABLET WILL BE USED FOR THE EXAMINATION. THE EXAMINATION TABLET WILL BE USED FOR THE EXAMINATION.
2. The candidate must read the instructions carefully and must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
3. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
4. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
5. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
6. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
7. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
8. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
9. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.
10. The candidate must not write on the tablet and the booklet for a 20 minutes period before the commencement of the examination.

DO NOT WRITE THIS ANSWER UPON THE ANSWER SHEET TO BE GRADUATED

Directions: For questions 1-10, choose the correct answer from the options given. Write the letter of the correct answer in the space provided.

1. The first paragraph of the passage discusses the importance of the _____.
2. The author mentions the _____ as an example of _____.
3. According to the author, the _____ is _____.
4. The author suggests that _____ is _____.

Answer: 1. The first paragraph discusses the importance of the **topic**.

Answer: 2. The author mentions the **example** as an example of **the concept**.

Answer: 3. According to the author, the **topic** is **important**.

Answer: 4. The author suggests that **the concept** is **relevant**.

Answer: 1. The author mentions the **example** as an example of **the concept**.

Answer: 2. The author suggests that **the concept** is **relevant**.

Answer: 1. The author mentions the **example** as an example of **the concept**.

Answer: 2. The author suggests that **the concept** is **relevant**.

Answer: 3. According to the author, the **topic** is **important**.

Answer: 4. The author suggests that **the concept** is **relevant**.

Answer: 1. The author mentions the **example** as an example of **the concept**.

Answer: 2. The author suggests that **the concept** is **relevant**.

Answer: 3. According to the author, the **topic** is **important**.

Answer: 4. The author suggests that **the concept** is **relevant**.

4. Which one of the following statements is not correct as the executability of an agreement for discharge of debt is concerned?

- It is valid for discharge of debt in India as well as in foreign countries.
- It is valid for discharge of debt in India but not in foreign countries.
- It is valid for discharge in foreign countries, but it does not apply in India.
- It is valid for discharge in India but not in foreign countries.

5. Which of the following is not an effect of the Enforcement of Contracts Act, 1930 in the Dominion of India?

- It is not operative against a minor who is of the age of 14 years.
- Provision of holding a contract as void.
- Recognition of Hindu law and practice of marriage, 1955.
- Provision of the contractual and economic contracts of the nature covered by the contract Act, 1930.

6. Under the contract law in India, the void contract is:

- Valid
- Not valid
- Valid
- Not valid

7. While entering into a contract, the parties to the contract must be of legal age.

- This was not a legal stipulation.
- This was a legal stipulation.
- This was not a legal stipulation.
- This was a legal stipulation.

8. Consider the following:

Statement I: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement II: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement III: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement IV: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement V: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement VI: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement VII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement VIII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement IX: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement X: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XI: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XIII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XIV: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XV: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XVI: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XVII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XVIII: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XIX: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

Statement XX: The contract law in India is based on the contract law of England. The contract law in India is based on the contract law of England.

11. Which law is responsible for the regulation of the President of the Executive of the Executive of the Executive?

- (a) The Executive Executive is regulated by Executive Order, the power is the Executive Executive and Executive Order of President
- (b) The law of the Executive Executive is regulated by the Executive of the Executive
- (c) The law of the Executive Executive is regulated by the Executive of the Executive
- (d) The Executive Executive is regulated by the Executive of the Executive of the Executive

12. The Executive Executive is regulated by the Executive of the Executive of the Executive.

- (a) 1.1.1.1
- (b) 2.1.1.1
- (c) 3.1.1.1
- (d) 4.1.1.1

13. Which law is responsible for the regulation of the Executive of the Executive of the Executive of the Executive?

- (a) The Executive Executive is regulated by Executive Order, the power is the Executive Executive and Executive Order of President
- (b) The law of the Executive Executive is regulated by the Executive of the Executive
- (c) The law of the Executive Executive is regulated by the Executive of the Executive
- (d) The Executive Executive is regulated by the Executive of the Executive of the Executive

14. Which law is responsible for the regulation of the Executive of the Executive of the Executive of the Executive?

- (a) Executive Order
- (b) Law
- (c) Executive
- (d) Executive Order

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16. Which law is responsible for the regulation of the Executive of the Executive of the Executive of the Executive?

- (a) Executive Order
- (b) Law
- (c) Executive
- (d) Executive Order

17. Which law is responsible for the regulation of the Executive of the Executive of the Executive of the Executive?

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- (c) The law of the Executive Executive is regulated by the Executive of the Executive
- (d) The Executive Executive is regulated by the Executive of the Executive of the Executive

21. How is the following business entity taxed?
(What law is under a 1041?)

A. The Trustee of a Testamentary Trust
arranges for the sale of a business
to the trust's charitable
Cognate, Marital and CR
Trust.

B. A trust's Beneficiary is
excluded in the will making
grant that offer.

C. Money and Capital Gains
are included in the estate
for the decedent along with
the

land to which there was a life
estate.

(a) 1 and 2 only

(b) 1 only

(c) 1 and 3 only

(d) 1, 2 and 3

22. The lower income surviving
beneficiary of a trust is the
original wife of the grantor of the
trust. The wife dies in 1994
and the trust is to be
distributed to her and her
children. The trust is to be
distributed to her and her
children in 1994.

(a) 1994 and 1995

(b) 1994 and 1996

(c) 1994 and 1997

(d) 1994 and 1998

23. What is the gross tax liability
on the sale of a 100 share trust
to the 20% trust that is the
trustee?

(a) 10000

(b) 1000

(c) 100000

(d) 1000000

24. What is the following transfer an
example of?
(What is the law?)

(a) A transfer of property

(b) A transfer of property to a trust
for the benefit of a trust
for the benefit of a trust

(c) A transfer of property

(d) A transfer of property to a trust
for the benefit of a trust
for the benefit of a trust

What is the gross tax liability on the
sale of the

(a) 1 and 2 only

(b) 1, 2 and 3

(c) 1 and 4 only

(d) 1 and 4

25. How is the following transfer of
property taxed?
(What is the law?)
The trust is to be
distributed to the

(a) 1994 and 1995

(b) 1994 and 1996

(c) 1994 and 1997

(d) 1994 and 1998

26. How is the following transfer

(a) The transfer of property to a trust
for the benefit of a trust
for the benefit of a trust

(b) The transfer of property to a trust
for the benefit of a trust
for the benefit of a trust

What is the gross tax liability on the
sale of the

(a) 1000

(b) 10000

(c) 100000

(d) 1000000

27. What is the following an example of?
 (A) A type of organizational structure

1. A type of organizational structure
2. A type of organizational structure
3. A type of organizational structure
4. A type of organizational structure
5. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

28. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

29. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

30. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

31. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure
3. A type of organizational structure
4. A type of organizational structure
5. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

32. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

33. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

What is the following an example of?

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

34. What is the following an example of?

1. A type of organizational structure
2. A type of organizational structure

- (A) 1 and 2
- (B) 1 and 3
- (C) 1 and 4
- (D) 1 and 5

17. The main strategy in global issues after December has been to focus
- on religious rights & civil rights
 - on sexual rights & minority rights
 - on gender rights & equal rights
 - on social and cultural rights (education, work, and income rights)

18. Which one among the following is not one of the targets being
- to improve India's position in science
 - to expand literacy
 - to expand the coverage of the GNP
 - to expand the quality of the national infrastructure

19. What is the common theme that is in evidence?
- In India, the presence of human development has (HDI) will be maintained with other countries
 - The government will continue to expand its social services

- India's performance was in the year
- 1997
 - 1998
 - 1999 and 2000
 - 1999 and 2000

20. Which is the necessary condition to achieve the goal of gender equality and empowerment of women in India
- Higher rate of workforce
 - Higher rate of female education
 - Encouraging women's skills
 - Encouraging skills

21. What are some of the following in the context of the National Council of Educational Research and Training?
- to set national norms for
 - to expand the scope of education
 - to improve the status of education in India
 - to set standards for national education

22. Which of the following is not one of the main objectives of the
- to improve the quality of education
 - to improve the status of education
 - to improve the status of education
 - to improve the status of education

- to improve the status of education
- to improve the status of education
- to improve the status of education
- to improve the status of education

23. The main theme of the document is to
- to improve the status of education
 - to improve the status of education
 - to improve the status of education
 - to improve the status of education

- to improve the status of education
- to improve the status of education
- to improve the status of education
- to improve the status of education

24. Which one among the following are the main objectives of the
- to improve the status of education
 - to improve the status of education
 - to improve the status of education
 - to improve the status of education

- to improve the status of education
- to improve the status of education
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12. Which of the following statements is NOT a likely effect of the 1980s?

- (a) Increased unemployment levels of the 1980s
- (b) A very positive image of the US in the eyes of the public of the Third World
- (c) A weak industrial sector in the US, the fastest growing in the 1980s of the industrialized nations
- (d) A strong US position in the world regarding the administration of the Pacific

13. Which of the following is NOT a likely effect of the 1980s?

- (a) A strong US position in the Pacific region, the fastest growing in the industrialized nations
- (b) A strong image of the US in the eyes of the public of the Third World
- (c) A weak industrial sector in the US, the fastest growing in the industrialized nations
- (d) A strong US position in the world regarding the administration of the Pacific

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- (b) A very positive image of the US in the eyes of the public of the Third World
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- (c) A weak industrial sector in the US, the fastest growing in the industrialized nations
- (d) A strong US position in the world regarding the administration of the Pacific

42. Which of the following is not a characteristic of globalization?

- a) Height of national barriers to the free world has gone up.
- b) Rapid flow of information, goods and goods.
- c) Shortening of world economic and social distance.
- d) Deep interdependence of nations and national economic integration.

43. Which laws, rules, customs are not followed, which are made at the primary source among them?

- a) They were rules of international and relations.
- b) They were steps of the state of a state and contract.
- c) They were rules of international and relations of trade life.
- d) They were laws of state and it changed the nature of state but it was not international.

44. What happened in Russia before the 1914 - 1917 revolution in the October revolution 1917 - 1918. The power structure did not have a change in:

- a) Russia 1917.
- b) October revolution 1917.
- c) Russia 1918.
- d) Russia 1919.

45. Which of the following measures were adopted after the 1917 revolution?

- 1. The end of the monarchy in the 1917.
- 2. The Russian revolution 1917.

Which of the following measures were adopted after the 1917 revolution?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1 and 4

46. The Russian Revolution was not limited to other types because:

- a) Russia is a large country with a large population. The size of the country, the size of the population, the geographical location is in Europe.
- b) By the Russian Revolution of 1917, it was the first in the world.
- c) It has had a great impact on the world.
- d) It is the first.

47. The main reason for the success of the 1917 Revolution in Russia was:

- a) World War I
- b) The Russian Revolution
- c) The Russian Revolution
- d) The Russian Revolution

48. Which of the following measures were adopted after the 1917 revolution?

- 1. The end of the monarchy in the 1917.
- 2. The Russian Revolution 1917.
- 3. The Russian Revolution in the 1917.
- 4. The Russian Revolution in the 1917.

Which of the following measures were adopted after the 1917 revolution?

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- b) 2 and 3
- c) 1 and 4
- d) 1 and 4

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- c) The Russian Revolution
- d) The Russian Revolution

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- a) World War I
- b) The Russian Revolution
- c) The Russian Revolution
- d) The Russian Revolution

40. What was the main purpose of the 1911 Census?
 (A) To determine the number of people in the country
 (B) To determine the number of people in the army
 (C) To determine the number of people in the navy
 (D) To determine the number of people in the police

41. The 1911 Census was the first to be held in the form of a census of:
 (A) Houses
 (B) Occupations
 (C) Family names
 (D) Social classes

42. Which was among the reasons for the 1911 Census?
 (A) To determine the number of people in the country
 (B) To determine the number of people in the army
 (C) To determine the number of people in the navy
 (D) To determine the number of people in the police

43. In 1911, the Census was held in the form of a census of:
 (A) Houses
 (B) Occupations
 (C) Family names
 (D) Social classes

44. According to the census of 1911, the number of people in the country was:
 (A) 25 million
 (B) 30 million
 (C) 35 million
 (D) 40 million

45. Which was among the reasons for the 1911 Census?
 (A) To determine the number of people in the country
 (B) To determine the number of people in the army
 (C) To determine the number of people in the navy
 (D) To determine the number of people in the police

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 (D) To determine the number of people in the police

5. If the area of the part of the circle shaded in the figure is 1 square unit, what is the length of the radius?

- (A) 11
- (B) 11
- (C) 7
- (D) 7

6. Each cell in the table below contains one of the numbers 1 through 4.

Row	Column	Number
1	1	1
1	2	2
1	3	3
1	4	4
2	1	1
2	2	2
2	3	3
2	4	4
3	1	1
3	2	2
3	3	3
3	4	4
4	1	1
4	2	2
4	3	3
4	4	4

(Note: The table above is a 4x4 grid where each cell contains a number from 1 to 4.)

- (A) 1
- (B) 2
- (C) 3
- (D) 4

7. What is the average of the following set of numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20?

- (A) 10
- (B) 10.5
- (C) 11
- (D) 11.5

8. If you divide the number 100 by the number 10, what is the remainder?

- (A) 0
- (B) 10
- (C) 1
- (D) 2

9. If you divide the number 100 by the number 10, what is the remainder?

- (A) 0
- (B) 10
- (C) 1
- (D) 2

10. Which of the following is a prime number?

- (A) 10
- (B) 15
- (C) 17
- (D) 20

11. For each square in the 4x4 grid below, place a number from 1 to 4.



- (A) 1
- (B) 2
- (C) 3
- (D) 4

12. Which of the following is a prime number?

- (A) 10
- (B) 15
- (C) 17
- (D) 20

- (A) 10
- (B) 15
- (C) 17
- (D) 20

10. A rectangular prism is shown below. The length of the prism is 10 units. The width of the prism is 6 units. The height of the prism is 4 units.

- What is the surface area of the prism?
- What is the volume of the prism?
- What is the perimeter of the base of the prism?
- What is the area of the base of the prism?

11. A circle is shown below. The radius of the circle is 5 units.



- What is the value of x ?
- What is the value of y ?
- What is the value of $x + y$?
- What is the value of $x - y$?

12. A circle is shown below. The radius of the circle is 5 units. The central angle is 60 degrees. The area of the sector is y and the arc length is x .

- What is the value of x ?
- What is the value of y ?
- What is the value of $x + y$?
- What is the value of $x - y$?

13. A circle is shown below. The radius of the circle is 5 units. The central angle is 60 degrees. The area of the sector is y and the arc length is x .

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15. A circle is shown below. The radius of the circle is 5 units. The central angle is 60 degrees. The area of the sector is y and the arc length is x .

- What is the value of x ?
- What is the value of y ?
- What is the value of $x + y$?
- What is the value of $x - y$?

16. A circle is shown below. The radius of the circle is 5 units. The central angle is 60 degrees. The area of the sector is y and the arc length is x .

- What is the value of x ?
- What is the value of y ?
- What is the value of $x + y$?
- What is the value of $x - y$?

17. A circle is shown below. The radius of the circle is 5 units. The central angle is 60 degrees. The area of the sector is y and the arc length is x .

- What is the value of x ?
- What is the value of y ?
- What is the value of $x + y$?
- What is the value of $x - y$?

11. Match (a)-(g) with (i)-(j) and select the correct answer using the code given below.

(a) (i)

(ii) (ii)

(iii) (iii)

(iv) (iv)

(v) (v)

(vi) (vi)

(vii) (vii)

(viii) (viii)

(ix) (ix)

(x) (x)

(xi) (xi)

(xii) (xii)

(xiii) (xiii)

(xiv) (xiv)

(xv) (xv)

(xvi) (xvi)

12. Through which is sperm released in the female from an:

(a) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i)

(ii) (ii)

(iii) (iii)

(iv) (iv)

(v) (v)

(vi) (vi)

13. Identify a pair which 'do not belong' in a set of three and justify.

(a) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i)

(ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii)

(iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii)

(iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv)

(v) (v) (v) (v) (v) (v) (v) (v) (v) (v)

(vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi)

(vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii)

(viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii)

(ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix)

(x) (x) (x) (x) (x) (x) (x) (x) (x) (x)

14. Write the answer for following by the appropriate number from the list given of the 100 items of items (a)-(j).

(a) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i)

(ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii)

(iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii)

(iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv)

(v) (v) (v) (v) (v) (v) (v) (v) (v) (v)

(vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi)

(vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii)

(viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii)

(ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix)

(x) (x) (x) (x) (x) (x) (x) (x) (x) (x)

(xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi)

(xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii)

(xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii)

(xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv)

(xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv)

(xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi)

15. What is following?

(a) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i)

(ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii) (ii)

(iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii)

(iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv) (iv)

(v) (v) (v) (v) (v) (v) (v) (v) (v) (v)

(vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi) (vi)

(vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii) (vii)

(viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viii)

(ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix) (ix)

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(xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi) (xi)

(xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii) (xii)

(xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii) (xiii)

(xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv) (xiv)

(xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv) (xv)

(xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi) (xvi)

(xvii) (xvii) (xvii) (xvii) (xvii) (xvii) (xvii) (xvii) (xvii) (xvii)

(xviii) (xviii) (xviii) (xviii) (xviii) (xviii) (xviii) (xviii) (xviii) (xviii)

(xix) (xix) (xix) (xix) (xix) (xix) (xix) (xix) (xix) (xix)

(xx) (xx) (xx) (xx) (xx) (xx) (xx) (xx) (xx) (xx)

Answer: Identify the alternative given
 that is the *best* answer.

The following table presents the total
 of the number of the years 2000 to
 2007. Approximate the average of the
 data shown.

Year	Percent	Weight
2000	10.1	10.1
2001	11.2	11.2
2002	12.3	12.3
2003	13.4	13.4
2004	14.5	14.5
2005	15.6	15.6
2006	16.7	16.7

44. The average of the number of the years
 shown is the value.

- (A) 10.1
- (B) 12.3
- (C) 14.5
- (D) 16.7

45. The average of the number of the years
 shown is the value.

- (A) 10.1
- (B) 12.3
- (C) 14.5
- (D) 16.7

46. The average of the number of the years
 shown is the value.

- (A) 10.1
- (B) 12.3
- (C) 14.5
- (D) 16.7

47. The average of the number of the years
 shown is the value.

- (A) 10.1
- (B) 12.3
- (C) 14.5
- (D) 16.7

48. The weight of the object is the
 percent of 2000. What is the value
 given that the value of the weight
 is 10.1? (The weight is the value
 of the object is shown.)

- (A) The object is the value
- (B) The object is the value
- (C) The object is the value
- (D) The object is the value
- (E) The object is the value

49. The weight of the object is the
 percent of 2000. What is the value
 given that the value of the weight
 is 10.1? (The weight is the value
 of the object is shown.)

- (A) The object is the value
- (B) The object is the value
- (C) The object is the value
- (D) The object is the value
- (E) The object is the value

50. The weight of the object is the
 percent of 2000. What is the value
 given that the value of the weight
 is 10.1? (The weight is the value
 of the object is shown.)

- (A) The object is the value
- (B) The object is the value
- (C) The object is the value
- (D) The object is the value
- (E) The object is the value

38. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

- (a) The heat transfer rate through the pipe is 100 W .
- (b) The temperature of the inner surface of the pipe is 100°C .
- (c) The temperature of the outer surface of the pipe is 50°C .
- (d) The convection coefficient on the inner surface is $10 \text{ W/m}^2^\circ\text{C}$.
- (e) The convection coefficient on the outer surface is $5 \text{ W/m}^2^\circ\text{C}$.

39. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

- (a) 10°C
- (b) 20°C
- (c) 50°C
- (d) 100°C
- (e) 200°C

40. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

Case	Inner Surface	Outer Surface
1	Convection	Convection
2	Convection	Insulation
3	Insulation	Convection
4	Insulation	Insulation

- (a) Case 1
- (b) Case 2
- (c) Case 3
- (d) Case 4
- (e) Case 1 and 2
- (f) Case 1 and 3
- (g) Case 1 and 4
- (h) Case 2 and 3
- (i) Case 2 and 4
- (j) Case 3 and 4

41. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

- (a) 10°C
- (b) 20°C
- (c) 50°C
- (d) 100°C
- (e) 200°C

42. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

- (a) 10°C
- (b) 20°C
- (c) 50°C
- (d) 100°C
- (e) 200°C

43. The thermal conductivity of the composite pipe of Fig. 10.10 is $1.5 \text{ W/m}^\circ\text{C}$. The inner and outer radii are 10 cm and 20 cm , respectively. The length of the pipe is 10 m . The inner and outer surfaces are exposed to convection with ambient air at 20°C and 10°C , respectively. The convection coefficients are $10 \text{ W/m}^2^\circ\text{C}$ and $5 \text{ W/m}^2^\circ\text{C}$, respectively. The heat transfer rate through the pipe is 100 W . The temperature of the inner surface of the pipe is 100°C . The temperature of the outer surface of the pipe is 50°C .

- (a) Case 1
- (b) Case 2
- (c) Case 3
- (d) Case 4
- (e) Case 1 and 2
- (f) Case 1 and 3
- (g) Case 1 and 4
- (h) Case 2 and 3
- (i) Case 2 and 4
- (j) Case 3 and 4

10) Most of the following measures will speed up the Indian economy. Which least likely?

1. The Reserve Bank has a broad range of growth and price
2. The Reserve Bank should be allowed to extend its range of liabilities except for gold
3. The Reserve should increase its working ratio, thereby to increase the length of the process
4. The length of the working ratio should be increased because the Government will be able to cope

Which of the following measures will speed up the economy?

1. I and II
2. I and III
3. I and IV only
4. None

11) All of the following are the following measures of the Indian government which indicate a growth 1

1. I, II, III, IV
2. II, III, IV, V
3. I, II, III, V
4. II, III, IV, V

12) Among the following, which is an important aspect of an inflationary pressure in the following of the Indian economy?

1. CBI from 1980
2. Demand from CBI
3. New Demand CBI
4. Demand CBI from

13) Most important aspect of the Indian economy from 1980 onwards was the inflationary rate of the Reserve Bank. Which among the following is the correct?

1. India from 1980
2. India from 1980 onwards
3. Demand from 1980
4. Demand from 1980

14) Most of the following measures will speed up the economy. Which least likely to be made? The correct growth of the economy is only a part of the following 1

1. Reserve
2. Demand
3. Demand
4. Demand

15) Most of the following are the following measures of the Indian government 1

1. Demand from 1980 onwards
2. Demand from 1980 onwards
3. Demand from 1980 onwards
4. Demand from 1980 onwards

Which of the following measures will speed up the economy?

1. I and II only
2. I and III only
3. I and IV only
4. I, II and III

11. Which location is not the location for viewing the total supply and the traffic flow?

- (a) The location of flow of demand
- (b) The location of flow of cost
- (c) The location of flow of supply
- (d) The location of flow

12. A linear flow is generally the flow of goods directly to the market and/or to the final user. It is generally denoted by $\frac{1}{2}$ flow. It is denoted by:

- (a) $\frac{1}{2}$
- (b) $\frac{1}{4}$
- (c) $\frac{1}{4}$
- (d) $\frac{1}{2}$

13. Which flow is a generally flow?

- (a) Flow
- (b) Demand
- (c) Total supply
- (d) Supply

14. The number of the number of supply is a constant of 5.

- (a) Flow
- (b) Demand
- (c) Supply
- (d) Demand

15. Which of the following is not a flow of goods?

- 1. Transportation is a constant flow of goods from the flow of demand to the flow of supply. It is generally denoted by $\frac{1}{2}$ flow.
- 2. Transportation is a constant flow of goods from the flow of demand to the flow of supply. It is generally denoted by $\frac{1}{2}$ flow.

Which of the following is not a flow of goods?

- (a) Flow
- (b) Demand
- (c) Supply
- (d) Demand

16. Which of the following is not a flow of goods?

- (a) Flow
- (b) Demand
- (c) Supply
- (d) Demand

LAST PAGE

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DATE: _____

Test Booklet Code: _____

TEST BOOKLET

ANSWER SHEET FOR PRACTICE

A

Test Booklet Code: _____

Answer Sheet Code: _____

INSTRUCTIONS

1. VERIFY ALL PRINTING CORRECTIONS TO THIS ANSWER SHEET. IF YOU NOTICE THAT THIS TEST BOOKLET CONTAINS ANY PRINTING OR REPRODUCTION ERRORS, CONTACT THE BOARD OF TECHNICAL EDUCATION, 1101 N. TRINITY DRIVE, DALLAS, TEXAS 75202.
2. Place your name in the designated area and fill in the last number of your Social Security Number. Do not include any dashes or spaces in the appropriate place in the Social Security Number. Do not include any other marks or symbols.
3. Do not use any pen or ballpoint pen to fill in the bubbles. Use only a #2 pencil. Do not use any other writing instrument.
4. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
5. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
6. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
7. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
8. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
9. Do not make any marks in the designated area for your name or Social Security Number. Do not use any other writing instrument.
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DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.

1. The effect of a 10% decrease in the GDP will be:

- (a) reduction in demand (short-run effect)
- (b) increase in output (short-run effect)
- (c) an increase in the price level (short-run effect)
- (d) an increase in output (long-run effect)
- (e) an increase in the price level (long-run effect)

2. Which set of the following is GDP's long-run growth rate under the theory of Real Business Cycles?

- (a) Long-run growth rate
- (b) Long-run growth rate
- (c) Long-run growth rate
- (d) Long-run growth rate

3. The following list consists of long-run growth rates (a) and (b) and short-run growth rates (c) and (d). Which one of the following is the long-run growth rate?

- (a) Short-run growth rate (a) and (b)
- (b) Short-run growth rate (c) and (d)
- (c) Short-run growth rate (a) and (c)
- (d) Short-run growth rate (b) and (d)
- (e) Short-run growth rate (a) and (d)

Answer 1: (a) is the set of long-run growth rates (a) and (b) and short-run growth rates (c) and (d).

Answer 2: (a) is the set of long-run growth rates (a) and (b) and short-run growth rates (c) and (d).

4. The long-run growth rate of GDP is:

- (a) Positive in the short run (short-run effect)
- (b) Zero in the short run (short-run effect)
- (c) Positive in the long run (long-run effect)
- (d) Zero in the long run (long-run effect)
- (e) Positive in the long run (long-run effect)

5. Which one of the following is the long-run growth rate of the price level?

- (a) Long-run growth rate
- (b) Long-run growth rate
- (c) Long-run growth rate
- (d) Long-run growth rate
- (e) Long-run growth rate

6. Which one of the following is the long-run growth rate of the price level?

- (a) Long-run growth rate (a) and (b)
- (b) Long-run growth rate (c) and (d)
- (c) Long-run growth rate (a) and (c)
- (d) Long-run growth rate (b) and (d)
- (e) Long-run growth rate (a) and (d)

Answer 3: (a) is the set of long-run growth rates (a) and (b) and short-run growth rates (c) and (d).

(a) Long-run growth rate

(b) Long-run growth rate

(c) Long-run growth rate

(d) Long-run growth rate

3. According to Carl Schmitt, what is the primary role of law in a constitutional state?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

4. According to Schmitt, what is the primary function of the state?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

5. What is the primary function of the state according to Schmitt?

- 1. To provide a framework for governance
- 2. To ensure the separation of powers
- 3. To define the boundaries of political authority
- 4. To guarantee individual liberties

- 1. To provide a framework for governance
- 2. To ensure the separation of powers

What is the primary function of the state according to Schmitt?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

6. According to Schmitt, what is the primary function of the state?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

7. What is the primary function of the state according to Schmitt?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

8. What is the primary function of the state according to Schmitt?

- 1. To provide a framework for governance
- 2. To ensure the separation of powers
- 3. To define the boundaries of political authority
- 4. To guarantee individual liberties

What is the primary function of the state according to Schmitt?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

9. What is the primary function of the state according to Schmitt?

- (A) To provide a framework for governance
- (B) To ensure the separation of powers
- (C) To define the boundaries of political authority
- (D) To guarantee individual liberties

10. Why lead to failure? Explain.

- (a) Mismanagement
- (b) Inflationary
- (c) High price/low cost differential
- (d) Overvalued exports

11. Explain the following:

- (a) Trade liberalisation
- (b) The top 100 most competitive
- (c) Trade liberalisation
- (d) Export-led

Explain the terms under any two of the questions.

- (a) Trade liberalisation
- (b) The top 100 most competitive
- (c) Trade liberalisation
- (d) Export-led

12. The product cycle. About 50% of the functions of international trade:

- (a) each of my services of the world to provide the domestic supply of the world.
- (b) each of the 50% of the world's economy and supply of the world.
- (c) services to provide the world with the necessary supply of the world.
- (d) services to provide the world with the necessary supply of the world.

13. The regional area of production of India. About 50% of the world's economy:

- (a) India
- (b) Pakistan
- (c) China
- (d) Myanmar

14. The regional area of production of India. About 50% of the world's economy:

- (a) India
- (b) Pakistan
- (c) China
- (d) Myanmar

Explain the terms under any two of the questions.

- (a) India
- (b) Pakistan
- (c) China
- (d) Myanmar

15. The regional area of production of India. About 50% of the world's economy:

- (a) India
- (b) Pakistan
- (c) China
- (d) Myanmar

Explain the terms under any two of the questions.

- (a) India
- (b) Pakistan
- (c) China
- (d) Myanmar

2) The frequency is increased

- a) is small value
- b) is the constant
- c) is equal to the zero
- d) is unknown

3) What are the following countries among the former socialist countries of Europe?

- a) 1) Hungary, 2) Czech, 3) Poland, 4) Slovakia, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- b) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- c) 1) Czech, 2) Slovakia, 3) Poland, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- d) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia

4) According to the following information which of the following is true?

- a) demand is constant
- b) supply is constant at 200
- c) market is not in equilibrium
- d) market is in equilibrium, but it is not free

How do you know using the following table

- a) True
- b) False
- c) True
- d) False

5) What are the following countries among the former socialist countries of Europe?

- a) 1) Hungary, 2) Czech, 3) Poland, 4) Slovakia, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- b) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- c) 1) Czech, 2) Slovakia, 3) Poland, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- d) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia

6) What are the following countries among the former socialist countries of Europe?

- a) 1) Hungary, 2) Czech, 3) Poland, 4) Slovakia, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- b) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- c) 1) Czech, 2) Slovakia, 3) Poland, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- d) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia

7) What are the following countries among the former socialist countries of Europe?

- a) 1) Hungary, 2) Czech, 3) Poland, 4) Slovakia, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- b) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- c) 1) Czech, 2) Slovakia, 3) Poland, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia
- d) 1) Czech, 2) Poland, 3) Slovakia, 4) Hungary, 5) Bulgaria, 6) Rumania, 7) Albania, 8) Yugoslavia

Table

	A	B	C	D
1)	4	1	1	1
2)	4	1	1	1
3)	1	1	1	1
4)	1	1	1	1

20. Which of the following countries is **not** a member of the Group of Seven?

- United Kingdom
- France
- United States
- Germany

Which of the following is **not** a member of the Group of Seven?

- USA
- UK
- France
- Canada

21. Which of the following is **not** a member of the Group of Seven?

- United States
- Germany
- Canada
- France

22. Which of the following is **not** a member of the Group of Seven?

- | | |
|------------|--------------|
| 1. France | 2. Canada |
| 3. Germany | 4. USA |
| 5. UK | 6. Italy |
| 7. Japan | 8. Australia |

Which of the following is **not** a member of the Group of Seven?

- | | |
|------------|--------------|
| 1. USA | 2. Canada |
| 3. France | 4. UK |
| 5. Germany | 6. Australia |
| 7. Japan | 8. Italy |

23. Which of the following is **not** a member of the Group of Seven?

- USA
- Canada
- Germany
- France
- UK
- Japan
- Australia
- Italy

24. Which of the following is **not** a member of the Group of Seven?

- USA
- Canada
- Germany
- France
- UK

25. Which of the following is **not** a member of the Group of Seven?

- USA
- Canada
- Germany
- France
- UK
- Japan
- Australia
- Italy

8. Matching of the following (a, b, c, d) in terms of the Best Value contract is false?

- (a) Technical Feasibility
- (b) The contract (Best Value) requires value for cost of best value Best Agreement
- (c) Setting up of alternative group awarding team
- (d) No need contractual provision

9. The Programme of Action Committee for road of Gujarat is

- 1. Road to Success
- 2. Link to Success
- 3. Learning Success
- 4. Skill to Success

State to launch success road to road program

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1 and 3 only
- (d) 1, 2 and 4

10. All projects for improvement of water supply drinking water together of more than Rs. 1000 crore capital cost approved by

- (a) Union Minister
- (b) State Minister
- (c) Chief Minister or President of State
- (d) Chief Minister or Governor

11. Which one of the following statement is correct?

- (a) All the roads government of Gujarat require to be built
- (b) The first National Highway has been opened under support of 90% of capital cost of road
- (c) Road to success program under support of state
- (d) All roads in India are to be constructed under support of central government through state

12. In PDA, the contract is split in 20/80 form of the contract

- 1. Full tender or agreement
- 2. Commercial and value contract
- 3. No need contract
- 4. Applied to limited road contract

State to launch success road to road program

- (a) 1, 2 and 3
- (b) 2 and 4
- (c) 1 and 4
- (d) 1 only

13. The National Highway Road program is

- 1. a Challenge to the state to build better of Success Road to road program
- 2. one of the success road to road program of Gujarat
- 3. one of the success road to road program of Gujarat

and Success Road to road program of Gujarat

4. one of the success road to road program of Gujarat

State to launch success road to road program

- (a) 1, 2, 3 and 4
- (b) 1, 2 and 3
- (c) 1 and 4
- (d) 2, 3 and 4

11. Which of the following are examples of
 a. External Public Sector Involvement
 b. Horizontal Marketing strategy
 c. International trade
 d. International division

12. Which of the following is
 a. a sales force under the control of the
 Parent's business
 b. a subsidiary firm
 c. part of local sales
 d. part of business

13. When a parent firm has a subsidiary in
 an export of goods to a foreign
 country?
 a. A Sales in local office in the parent
 firm
 b. A Division in the parent firm
 c. A Subsidiary in the parent firm
 d. A Foreign Firm in local office in the
 parent firm

14. Which of the following is not an example
 of "the local office"?
 a. Subsidiary firm
 b. Sales office
 c. Joint Venture
 d. Sales company

15. Which of the following is not an example
 of "the local office"?
 a. Parent
 b. Subsidiary
 c. External Office
 d. Importing/Exporting

16. Which of the following is not an example
 of
 a. Importing
 b. Exporting
 c. External office
 d. Importing/Exporting

17. Which of the following is not an example
 of "the local office"?
 a. Subsidiary firm
 b. Sales office in local office in the
 parent firm
 c. Joint Venture firm
 d. Importing

18. Which of the following is not an example
 of "the local office"?
 a. Subsidiary firm
 b. Sales office in local office in the
 parent firm
 c. Joint Venture firm
 d. Importing

19. Which of the following is not an example
 of "the local office"?
 a. Subsidiary firm
 b. Sales office in local office in the
 parent firm
 c. Joint Venture firm
 d. Importing

20. Which of the following is not an example
 of "the local office"?
 a. Subsidiary firm
 b. Sales office in local office in the
 parent firm
 c. Joint Venture firm
 d. Importing

46. The net FDI and Domestic Debt are respectively

- (a) Both Negative
- (b) Both Zero
- (c) Both + (Current and Domestic + Capital)
- (d) Both Zero

47. When you are doing a trade credit deal of export of an export goods then

- (a) Export
- (b) Import
- (c) Export
- (d) Both

48. A country with a decrease of total exports is considered as a Net Exporter is

- (a) Net Importing Country
- (b) Net Exporting Country
- (c) Net Zero Country
- (d) Net Exporting Country

49. The country that is moving from Net Importing to Net Exporting is

- (a) U.S. and
- (b) U.K. and
- (c) Both U.S. and
- (d) Japan

50. Why are the following are not part of a country's GNP? (a) income generated in abroad jobs?

- 1. U.S. Government
- 2. Royal Navy sailors home
- 3. Cuban students
- 4. Arab Government

What do you mean by the word 'profit'?

- (a) 1, 2, 3 and 4
- (b) 1, 2 and 3
- (c) 1 and 3
- (d) 1 and 4

51. Which of the following are not part of the net exporting the net production? (a) -

GNP	GDP
Export	Importing
A. U.S. students	2. Cuban students
B. U.S. sailors	3. Arab Govt
C. U.S. Govt	4. U.S. Govt
D. U.S. students	1. Arab Govt

GNP	GDP
Export	Importing
(a) 1, 2, 3 and 4	(b) 1, 2 and 3
(c) 1 and 3	(d) 1 and 4

12. To join Congress from the state of
- IL, Joe
 - NY, Sam
 - IA, Tom
 - CA, Dick
13. Near the end of the 1990s, the federal government's primary source of funds was derived from revenues in
- Imports of the United States in Chicago
 - Imports of the National Highway Infrastructure Program
 - Imports of the National Highway Infrastructure Program
 - Imports of the National Highway Infrastructure Program
 - Imports of the National Highway Infrastructure Program
 - Imports of the National Highway Infrastructure Program
14. To the extent that the federal government is
- Not a business
 - Not a business
 - Not a business
 - Not a business
15. Which one of the following is not a part of the federal government's budget?
- The Federal Reserve
 - The Social Security Administration
 - The Department of Education
 - The Department of Health and Human Services
16. Which one of the following is not a part of the federal government's budget?
- The Federal Reserve
 - The Social Security Administration
 - The Department of Education
 - The Department of Health and Human Services
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 - The Social Security Administration
 - The Department of Education
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 - The Social Security Administration
 - The Department of Education
 - The Department of Health and Human Services
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 - The Social Security Administration
 - The Department of Education
 - The Department of Health and Human Services
30. Which one of the following is not a part of the federal government's budget?
- The Federal Reserve
 - The Social Security Administration
 - The Department of Education
 - The Department of Health and Human Services

10. The New York State vehicle license is issued to a driver 21 or over.
- 16 years
 - 17 years
 - 18 years
 - 19 years
11. Mark A. B. is driving across country to his job in New York City. He is driving in the direction of his destination by following Route 1.
- South of New York
 - South of New Jersey
 - South of Pennsylvania
 - South of Maryland
12. When a driver is driving through a toll plaza on a road through New York State, a NY toll is
- charged to the driver as he or she passes through the toll plaza.
 - charged to the driver before he or she enters the toll plaza.
 - charged to the driver after he or she leaves the toll plaza.
 - charged to the driver before he or she enters the toll plaza.
13. What is the New York State toll for a driver 21 or over driving through a toll plaza on a road through New York State?
- \$1.00
 - \$1.50
 - \$2.00
 - \$2.50
14. What is the New York State toll for a driver 21 or over driving through a toll plaza on a road through New York State?
- \$1.00
 - \$1.50
 - \$2.00
 - \$2.50
15. What is the New York State toll for a driver 21 or over driving through a toll plaza on a road through New York State?
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19. What is the New York State toll for a driver 21 or over driving through a toll plaza on a road through New York State?
- \$1.00
 - \$1.50
 - \$2.00
 - \$2.50
20. What is the New York State toll for a driver 21 or over driving through a toll plaza on a road through New York State?
- \$1.00
 - \$1.50
 - \$2.00
 - \$2.50

14. Figure with following pattern:



What will be the figure in the empty box (indicated above)?



15. Figure with following pattern:



What will be the figure in the empty box (indicated above)?



16. In the given figure, using the rule given below:



17. From the following, select the one which is different from the rest.

(A) Different in the type of triangle in the figure.

(B) Different in the type of triangle in the figure.

(C) Different in the type of triangle in the figure.

(D) Different in the type of triangle in the figure.



40. The mean of the following numbers is 10. Which number is not included?

- (1) 10
- (2) 15
- (3) 20
- (4) 25
- (5) 30

Using the same process as in question 39:

- (a) 100
- (b) 100
- (c) 100
- (d) 100

41. The following table shows the number of students in each of the classes in a school. What is the total number of students in the school?

Table

(1) The number of students in the school is 100.

(2) The number of students in the school is 150.

(3) The number of students in the school is 200.

(4) The number of students in the school is 250.

(5) The number of students in the school is 300.

(6) The number of students in the school is 350.

42. The mean of the following numbers is 10. Which number is not included?

- (a) 10
- (b) 15
- (c) 20
- (d) 25
- (e) 30

Using the same process as in question 39:

The following table shows the number of students in each of the classes in a school.

Age Group	No. of students
11-15	10
16-20	20
21-25	30
26-30	40
31-35	50
36-40	60
41-45	70

43. The number of students in each of the classes in a school is given in the following table. What is the total number of students in the school?

- (a) 100
- (b) 150
- (c) 200
- (d) 250
- (e) 300

7) What is the difference between the average of numbers among letters A, C, D, and E, 200 are marks and average among letter B and D is 100?

- (a) 10%
- (b) 11%
- (c) 11%
- (d) 20%

7) What are the following terms a 100% increase will increase real gross?

- (a) Increase in value of the production being
- (b) Increase in the production
- (c) Expenditure on the domestic final
- (d) Measure of the price level in the economy part of the GDP

8) What is not a part of GDP and price for goods services for the production in the

- | | |
|------------------|------------------|
| 1. Rent | 2. GDP |
| 3. House rent | 4. Capital |
| 5. 100% increase | 6. Increase |
| 7. Capital | 8. GDP |
| 9. House | 10. Rent |
| 11. Total Profit | 12. Depreciation |
| 13. Interest | |

Table:

	A	B	C	D
(a)	1	4	1	1
(b)	7	1	1	1
(c)	1	1	1	1
(d)	1	1	1	1

9) What is the total GDP and value of the production among the following table GDP

Year	Year
(1990)	(1991)
1. 100	1. 100
2. 100	2. 100
3. 100	3. 100
4. 100	4. 100
5. 100	5. 100

Table:

	A	B	C	D
(a)	1	1	1	1
(b)	1	1	1	1
(c)	1	1	1	1
(d)	1	1	1	1

10) For which of the following is a 100% increase of average price economy of value highly appropriate?

- (a) $100 - 10^2$
- (b) 10
- (c) 1
- (d) 100

The next few MCQs are based on the following table.

World consumption of oil (in billion tons)

Year	1990	1991	1992	1993	1994
(a)	2	4	6	10	14
(b)	0	0	0	0	14
(c)	0	0	0	0	14
(d)	0	1	0	0	14
(e)	0	0	0	0	14

7. What is the average number of books reading in finished? Use all subject together?

- (a) 75
- (b) 14
- (c) 11
- (d) 16

8. What is the average number of books reading in finished? of subjects with experience less than in finished? Use all subject?

- (a) 11-11
- (b) 11-17
- (c) 11-27
- (d) 11-36

9. Match List I with List II and select the correct answer using the code given below in table.

List I	List II
1. Group of 100	A. Randomly
2. Group of 1000	B. One
3. 1000	C. Two factor of 20-100
4. 1000000	D. Multiple monthly

Code:

	A	B	C	D
(a)	1	2	3	4
(b)	2	3	4	1
(c)	3	4	1	2
(d)	4	1	2	3

10. Match List I with List II and select the correct answer using the code given below in table.

List I	List II
1. Group of 1000	A. Randomly
2. Group of 100	B. Two factor
3. 1000	C. Multiple
4. 1000000	D. One

Code:

	A	B	C	D
(a)	1	2	3	4
(b)	2	3	4	1
(c)	3	4	1	2
(d)	4	1	2	3

11. Match List I with List II and select the correct answer using the code given below in table.

List I	List II
1. Group of 1000	A. Randomly
2. Group of 100	B. Two factor
3. 1000	C. Multiple
4. 1000000	D. One

Code:

	A	B	C	D
(a)	1	2	3	4
(b)	2	3	4	1
(c)	3	4	1	2
(d)	4	1	2	3

11. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
12. A firm's WACC is 10%. The firm's operating assets are valued at \$100. During the last year, the firm's operating assets were valued at \$120. The firm's operating assets are valued at \$100. The firm's operating assets are valued at \$100. The firm's operating assets are valued at \$100. Which of the following is the firm's cost of capital?
- 10%
 - 12%
 - 11%
 - 13%
13. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
14. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
15. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
16. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
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- debt capital cost
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18. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
19. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost
20. Which one of the following is not a component of the cost of capital for a firm?
- debt capital cost
 - divergence factor
 - equity cost
 - non-debt capital cost

42. Which type of network is used to connect the remote access using the same protocol as LAN:

LAN	WAN
Asynchronous	Asynchronous
A. ISDN	1. Framing
B. Local Frame	2. Encapsulation
C. Dial Access	3. Modem
D. Cable Access	4. Bridging

Use:

1	2	3	4
1	2	3	4
1	2	3	4
1	2	3	4
1	2	3	4

43. The correct sequence of bits used in HDLC is:

- 1000
- 1100
- 1010
- 1101

44. In a network, there are three nodes 'A', 'B' and 'C'. A packet has to be sent from node 'A' to node 'B' via node 'C'. The network has a flow from 'A' to 'B' via node 'C'. The network is called:

- Star network
- Ring network
- Mesh network
- Bus network

45. Which one among the following is not a network?

- LAN
- WAN
- MAN
- Internet

46. The correct sequence of bits used in HDLC is:

- 1000
- 1100
- 1010
- 1101

47. In a network, there are three nodes 'A', 'B' and 'C'. A packet has to be sent from node 'A' to node 'B' via node 'C'. The network is called:

- Star network
- Ring network
- Mesh network
- Bus network

18. A set S of vertices of G and each of the edges whose both its vertices belong to S is called a

(A) subgraph

(B) subgraph

(C) subgraph

(D) subgraph

(E) subgraph

(F) subgraph

(G) subgraph

(H) subgraph

(I) subgraph

(J) subgraph

(K) subgraph

(L) subgraph

(M) subgraph

(N) subgraph

(O) subgraph

(P) subgraph

(Q) subgraph

(R) subgraph

(S) subgraph

(T) subgraph

19. A graph G is called a bipartite graph if

(A) its vertices can be divided into two sets

(B) its vertices can be divided into two sets

(C) its vertices can be divided into two sets

(D) its vertices can be divided into two sets

(E) its vertices can be divided into two sets

(F) its vertices can be divided into two sets

(G) its vertices can be divided into two sets

(H) its vertices can be divided into two sets

(I) its vertices can be divided into two sets

(J) its vertices can be divided into two sets

20. A graph G is called a bipartite graph if



the vertices of G can be divided into two sets such that

(A) no edge

(B) no edge

(C) no edge

(D) no edge

(E) no edge

(F) no edge

(G) no edge

(H) no edge

(I) no edge

(J) no edge

21. The following are the properties of bipartite graphs

(A) Every bipartite graph is a tree

(B) Every bipartite graph is a tree

(C) Every bipartite graph is a tree

(D) Every bipartite graph is a tree

(E) Every bipartite graph is a tree

(F) Every bipartite graph is a tree

(G) Every bipartite graph is a tree

(H) Every bipartite graph is a tree

(I) Every bipartite graph is a tree

(J) Every bipartite graph is a tree

22. The following are the properties of bipartite graphs

(A) Every bipartite graph is a tree

(B) Every bipartite graph is a tree

(C) Every bipartite graph is a tree

(D) Every bipartite graph is a tree

(E) Every bipartite graph is a tree

(F) Every bipartite graph is a tree

(G) Every bipartite graph is a tree

(H) Every bipartite graph is a tree

(I) Every bipartite graph is a tree

(J) Every bipartite graph is a tree

Answer: (A) Every bipartite graph is a tree

Answer: (A) Every bipartite graph is a tree

18. Which was the first person to
invent a gunpowder?

- (a) Rogerus
- (b) Brachmanus
- (c) Vitruv
- (d) Wang

19. Which of the following is a synonym
of _____

- (a) Capable
- (b) Inability
- (c) Perceptive
- (d) Inept

20. If the area of the circle with radius
10 cm is 314 cm², then what is the
length of the chord at distance 6 cm from
center?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

21. Which of the following is a unit of
area? (SI unit)

- (a) m²
- (b) m
- (c) m³
- (d) m⁴

22. Which of the following is the correct
order of the planets from the Sun?

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

23. Which of the following is the correct
order _____

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

24. The correct order of the planets
from the Sun is _____

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

25. Which of the following is the correct
order of the planets from the Sun?

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

26. Which of the following is the correct
order of the planets from the Sun?

- (a) Mercury - Venus - Earth - Mars
- (b) Venus - Mercury - Earth - Mars
- (c) Mercury - Earth - Venus - Mars
- (d) Mercury - Earth - Mars - Venus

27. Which of the following is the correct
order of the planets from the Sun?

- (a) Mercury
- (b) Venus
- (c) Earth
- (d) Mars

18. Which compound is following Ziegler-Natta?

(A) Ethyl propanoate of ethylene

(B) Styrene

(C) Vinyl

(D) Vinyl acetate

(E) Vinyl benzoate

19. Ethanol of same volume is the best solvent for

(A) Ethyl acetate

(B) Benzene

(C) Hexane

(D) Toluene

(E) Water

20. Propylene is

(A) mono-substituted

(B) di-substituted

(C) tri-substituted

(D) tetra-substituted

21. Polymerisation of ethylene is

(A) Free radical reaction

(B) 1,2

(C) 1,3

(D) 1,4

(E) 1,5

22. Decide the following statements being true or false (T) or false (F)

1. The main function of catalyst is to increase the rate of reaction.

2. The polymer that has been formed contains a sulphur content of 10% by weight.

3. The polymer is a solid material in the presence of oxygen atmosphere.

4. The polymer is a solid material in the presence of oxygen atmosphere.

5. The polymer is a solid material in the presence of oxygen atmosphere.

(A) True only

(B) False

(C) True

(D) False

23. Propylene is

(A) mono-substituted

(B) di-substituted

(C) tri-substituted

(D) tetra-substituted

24. The following are the names of the polymers. Select the one that is not a polymer. (A) Polyethylene (B) Polypropylene (C) Polystyrene (D) Polybutadiene (E) Polyisobutylene

(A)

(B) Polyethylene is a polymer. It is a long chain of repeating units.

(C) Polypropylene is a polymer. It is a long chain of repeating units.

(D) Polystyrene is a polymer. It is a long chain of repeating units.

(E) Polyisobutylene is a polymer. It is a long chain of repeating units.

Answer 1: The only one that is not a polymer is (A) Polyethylene. It is a long chain of repeating units.

Answer 2: Polyethylene is a polymer. It is a long chain of repeating units.

11. Identify the following pattern:



The identical shape to the given object

(a)



(b)



(c)



(d)



(e)



12. Which of the following material are known as polymeric materials?

- (a) 100000
- (b) 66100
- (c) 110000
- (d) CF2002

13. The age of 12 is less than age of 10. So, let us do addition or subtraction of the following numbers and select.

- (a) 100000
- (b) 1000000
- (c) 10000000
- (d) 100000000
- (e) 1000000000
- (f) 10000000000
- (g) 100000000000
- (h) 1000000000000

14. The following are the types of materials used in the design of a car. Select the correct material for the car body. The material should be strong, light, and easy to work with.

- (a) Steel
- (b) Aluminum
- (c) Plastic
- (d) Glass
- (e) Rubber
- (f) Wood

15. Which of the following are the types of materials used in the design of a car?

- (a) Steel
- (b) Aluminum
- (c) Plastic
- (d) Glass
- (e) Rubber
- (f) Wood

11. In a collection of 100 articles, an editor is discovered to have made errors in 10 of them.

- (a) every 10th article is wrong
- (b) no article is correct in the case of members of a certain group
- (c) no article is correct in the case of members of a certain year cohort
- (d) no article is correct in the case of members of a certain country

12. An insurance policy covers a particular two accidents if the principle amount is 50 or the combined liability, the amount of sum of the two accidents, is not less than 50. Which of the following is not a necessary condition?

- (a) $X > 1$
- (b) $X > 2$
- (c) $X > 50$ and $Y > 50$
- (d) $X > 50$ or $Y > 50$

13. Prakash is 40 years old, yet is among the best dancers in the city.

Conclusion: I. All the best dancers are young.

II. All the young dancers are the best.

14. Prakash is 40. He is not the youngest dancer in the district of the city.

Conclusion: I. All the dancers are young dancers.

II. All the young dancers are the best.

15. Prakash is 40 years old, yet is among the best dancers in the city.

Conclusion: I. All the dancers are young.

II. All the young dancers are the best.

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Grade 5

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CLASS TEST BOOK

TEST BOOKLET

GRADE 5 ANNUAL ABILITY AND POTENTIAL

A

Test Booklet - Test Book

Answer Sheet - 200

TO THE STUDENT

1. Read the instructions on the cover of this booklet carefully. You will be asked to complete the test booklet. Do not open this booklet until you are asked to do so.

2. Please read the test booklet carefully. It contains 100 questions. You will be asked to answer 25 questions. You will be asked to answer 25 questions. You will be asked to answer 25 questions.

3. Do not write on the test booklet. If you need to write, use the separate sheets of paper provided for this purpose.

4. You are asked to write your name and grade on the test booklet. Do not write your name on the test booklet. Do not write your name on the test booklet.

5. Do not write on the test booklet. If you need to write, use the separate sheets of paper provided for this purpose.

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4) Which of the following pairs correctly represent the same circle? (Select all that apply.)



5) Circle A is shown below. Circle B is shown below.

Circle A:

Circle B:

Which of the following is correct?

- A) Circle A is larger than Circle B.
- B) Circle A is smaller than Circle B.
- C) Circle A is the same size as Circle B.
- D) Circle A is larger than Circle B, but Circle B is larger.

6) Which one of the following pairs of circles are congruent? (Select all that apply.)

- A) Circles A and B
- B) Circles A and C
- C) Circles A and D
- D) Circles B and C

7) Which one of the following pairs of circles are similar? (Select all that apply.)

- A) Circle A and B
- B) Circle A and C
- C) Circle A and D
- D) Circle B and C

8) Find the ratio of the radii of the two circles shown below.

Circle	Center	Radius
A	O	1
B	P	2
C	Q	3
D	R	4

Circle	Center	Radius
E	S	1
F	T	2
G	U	3
H	V	4

6. Which compound is most likely to be soluble in water's extensive hydrogen bond?

- (A) Ethanol
- (B) Benzene
- (C) Hexane
- (D) Toluene

7. Methanol is a polar liquid that has a boiling point of 65°C.

- (A) Ethanol
- (B) Benzene
- (C) Hexane
- (D) Toluene

8. Which of the following is most likely to be soluble in water?

- (A) Ethanol - polar - can hydrogen bond with water
- (B) Benzene - non-polar - can't hydrogen bond with water
- (C) Hexane - non-polar - can't hydrogen bond with water
- (D) Toluene - non-polar - can't hydrogen bond with water

9. Which of the following is most likely to be soluble in water?

- (A) Ethanol
- (B) Benzene
- (C) Hexane
- (D) Toluene

10. Which of the following is most likely to be soluble in water's extensive hydrogen bond?

- (A) Ethanol
- (B) Benzene
- (C) Hexane
- (D) Toluene

11. Which of the following is most likely to be soluble in water's extensive hydrogen bond?

- | Compound | Boiling Point (°C) |
|-------------|--------------------|
| (A) Ethanol | 78 |
| (B) Benzene | 80 |
| (C) Hexane | 69 |
| (D) Toluene | 111 |

12. Which of the following is most likely to be soluble in water's extensive hydrogen bond?

- (A) Ethanol - polar - can hydrogen bond with water
- (B) Benzene - non-polar - can't hydrogen bond with water
- (C) Hexane - non-polar - can't hydrogen bond with water
- (D) Toluene - non-polar - can't hydrogen bond with water

11. What is the primary purpose of a network diagram?

- (A) Track resource usage
- (B) Show task dependencies
- (C) Calculate project duration
- (D) Identify critical path
- (E) Track budget status

12. Which of the following is NOT a project management tool?



13. Which of the following is NOT a project management tool?

- (A) Network diagram
- (B) Gantt chart
- (C) PERT chart
- (D) Resource histogram
- (E) Risk matrix

14. Which of the following is NOT a project management tool?



15. Which of the following is NOT a project management tool?

- (A) PERT chart
- (B) Gantt chart
- (C) Network diagram
- (D) Resource histogram
- (E) Risk matrix

16. Which of the following is NOT a project management tool?



17. Which of the following is NOT a project management tool?

- (A) PERT chart
- (B) Gantt chart
- (C) Network diagram
- (D) Resource histogram
- (E) Risk matrix

17. If a child with autism (1) has an IQ within 11-15 and (2) has a receptive vocabulary score of about 18, it is possible that the child will have a full IQ score, because (a) the verbal test is more likely than the non-verbal test to be affected by autism.

- (A) 10 to 15 years
- (B) 12 to 15 years
- (C) 15 to 18 years
- (D) 18 to 20 years

18. Consider the following information about the case:

- 1. The child's ability to speak is unaffected by autism.
- 2. An IQ score of 100 indicates a verbal ability of average to above average.
- 3. High scores of 100 indicate a verbal ability of average to above average.

What is the highest possible IQ score?

- (A) 140-150
- (B) 140-160
- (C) 140-180
- (D) 170-180

19. Consider the following information about the child's IQ score:

- 1. The child's IQ score is 100.
- 2. The child's IQ score is 100.
- 3. The child's IQ score is 100.
- 4. The child's IQ score is 100.

What is the highest possible IQ score?

- (A) 140-150
- (B) 140-160
- (C) 140-180
- (D) 170-180

20. What are the following groups of people called?

- 1. The group of people who are called "autism".
- 2. The group of people who are called "autism".
- 3. The group of people who are called "autism".
- 4. The group of people who are called "autism".

What is the highest possible IQ score?

- (A) 140-150
- (B) 140-160
- (C) 140-180
- (D) 170-180

21. What are the following groups of people called?

- (A) Autism - Asperger - High-functioning Autism
- (B) Autism - Asperger - High-functioning Autism
- (C) Autism - Asperger - High-functioning Autism
- (D) Autism - Asperger - High-functioning Autism

17. Which of the following is not a type of strategic approach to the market?

- a. Focus
- b. Differentiation
- c. Cost
- d. Focus

18. The overall business strategy is the overall plan for the firm:

- a. across all time periods
- b. across all geographical areas and all competitors
- c. across all time periods and all geographical areas
- d. across all time periods

19. Which of the following is not a strategy?

- a. The use of a particular brand in advertising
- b. The use of a particular store layout to reduce the amount of time needed for a customer to buy
- c. The use of a particular brand in advertising
- d. The use of a particular brand in advertising

20. Which of the following is not a strategy?

- a. The use of a particular brand in advertising
- b. The use of a particular brand in advertising
- c. The use of a particular brand in advertising
- d. The use of a particular brand in advertising

21. Which of the following is not a strategy?

- a. Focus
- b. Differentiation
- c. Cost
- d. Focus

22. Which of the following is not a type of strategic approach to the market?

- | | Cost | Differentiation |
|--------------------|------|-----------------|
| a. Focus | 1 | 1 |
| b. Differentiation | 1 | 1 |
| c. Cost | 1 | 1 |
| d. Focus | 1 | 1 |

- | | Cost | Differentiation |
|--------------------|------|-----------------|
| a. Focus | 1 | 1 |
| b. Differentiation | 1 | 1 |
| c. Cost | 1 | 1 |
| d. Focus | 1 | 1 |

23. Which of the following is not a strategy?

- a. Focus
- b. Differentiation
- c. Cost
- d. Focus

24. Which of the following is not a strategy?

- a. Focus
- b. Differentiation
- c. Cost
- d. Focus

11. What is the primary objective of the Strategic Plan?

- A. Long
- B. Term
- C. Year
- D. Five

12. What is the primary objective of the Strategic Plan?

- A. 5-10
- B. 3-5
- C. 1-2
- D. 1-3

13. What is the primary objective of the Strategic Plan?

- A. Increase the number of employees
- B. Increase the number of projects
- C. Increase the number of clients
- D. Increase the number of products

14. What is the primary objective of the Strategic Plan?

- A. 10
- B. 20
- C. 30
- D. 40

15. What is the primary objective of the Strategic Plan?

- A. 1000
- B. 2000
- C. 3000
- D. 4000

16. What is the primary objective of the Strategic Plan?

- A. 10
- B. 20
- C. 30
- D. 40

17. What is the primary objective of the Strategic Plan?

- A. 10
- B. 20
- C. 30
- D. 40

18. What is the primary objective of the Strategic Plan?

- A. 10
- B. 20
- C. 30
- D. 40

19. What is the primary objective of the Strategic Plan?

- A. Increase revenue
- B. Increase market share
- C. Increase customer loyalty
- D. Increase employee satisfaction

20. What is the primary objective of the Strategic Plan?

- A. Increase revenue
- B. Increase market share
- C. Increase customer loyalty
- D. Increase employee satisfaction

27. What are the following processes involved?

- Extinguishing is expected to affect the overall level of FWH.
- Extinguishing may also affect the overall level of the FWH.
- Extinguishing is expected to affect the FWH.
- Extinguishing is used for extinguishing fire.

28. What are the following processes involved?

- Extinguishing is used.
- Extinguishing is used.
- Extinguishing is used.
- Extinguishing is used.

29. What are the following processes involved? (List: fire, smoke, heat, sound, pressure, etc.)

What are the following processes involved?

- Extinguishing
- Extinguishing
- Extinguishing
- Extinguishing

30. A fire is a chemical reaction that releases heat and light energy. What are the following processes involved? (List: fire, smoke, heat, sound, pressure, etc.)

- Extinguishing
- Extinguishing
- Extinguishing
- Extinguishing

31. What are the following processes involved?

- The process of extinguishing is used.
- The process of extinguishing is used.
- The process of extinguishing is used.
- The process of extinguishing is used.

32. What are the following processes involved?

- Extinguishing is used.
- Extinguishing is used.
- Extinguishing is used.
- Extinguishing is used.

33. A fire is a chemical reaction that releases heat and light energy. What are the following processes involved? (List: fire, smoke, heat, sound, pressure, etc.)

- Extinguishing
- Extinguishing
- Extinguishing
- Extinguishing

4. What is the primary purpose of a network?

(A) To provide a means for the exchange of data and resources between computers

(B) To provide a means for the exchange of data and resources between computers and the Internet

(C) To provide a means for the exchange of data and resources between computers and the Internet and other networks

(D) To provide a means for the exchange of data and resources between computers and the Internet and other networks and the Internet

5. What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

6. What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

7. What is the primary purpose of a network?

- (A) To provide a means for the exchange of data and resources between computers
- (B) To provide a means for the exchange of data and resources between computers and the Internet
- (C) To provide a means for the exchange of data and resources between computers and the Internet and other networks
- (D) To provide a means for the exchange of data and resources between computers and the Internet and other networks and the Internet

What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

8. What is the primary purpose of a network?

- (A) To provide a means for the exchange of data and resources between computers
- (B) To provide a means for the exchange of data and resources between computers and the Internet
- (C) To provide a means for the exchange of data and resources between computers and the Internet and other networks
- (D) To provide a means for the exchange of data and resources between computers and the Internet and other networks and the Internet

What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

9. What is the primary purpose of a network?

- (A) To provide a means for the exchange of data and resources between computers
- (B) To provide a means for the exchange of data and resources between computers and the Internet
- (C) To provide a means for the exchange of data and resources between computers and the Internet and other networks
- (D) To provide a means for the exchange of data and resources between computers and the Internet and other networks and the Internet

What is the primary purpose of a network?

- (A) 11
- (B) 4
- (C) 7
- (D) 10

10. Which of the following is the correct order of the steps in the process of the cell cycle?

(A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

11. Which of the following is the correct order of the steps in the process of the cell cycle?



12. Which of the following is the correct order of the steps in the process of the cell cycle?
- (A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

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- (A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

14. Which of the following is the correct order of the steps in the process of the cell cycle?
- (A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

15. Which of the following is the correct order of the steps in the process of the cell cycle?
- (A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

16. Which of the following is the correct order of the steps in the process of the cell cycle?
- (A) G1 → S → G2 → M
 (B) G1 → M → S → G2
 (C) S → G1 → G2 → M
 (D) M → G1 → S → G2

8. What is the value of β for a system independent of α system?



What is the value of β for a system that is independent of α system and independent of β system?



9. Consider the control system shown in the figure with the closed-loop transfer function $T(s) = \frac{Y(s)}{U(s)}$. The system is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$. The system is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$.

Parameter	Value	Unit
Gain	1	-
Time constant	1	s
Steady-state value	1	-

What is the value of β for a system?

(a) $\beta = 1$

(b) $\beta = 2$

(c) $\beta = 3$

(d) $\beta = 4$

10. The system shown in the figure is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$. The system is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$. The system is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$. The system is a second-order system with a damping ratio $\zeta = 0.5$ and a natural frequency $\omega_n = 1$.

What is the value of β for a system?

(a) $\beta = 1$

(b) $\beta = 2$

(c) $\beta = 3$

(d) $\beta = 4$

11. Suppose f is a function with the inverse f^{-1} of f and $f^{-1}(3) = 4$. Which of the following is true?



- (A) $f(3) = 4$
 (B) $f(4) = 3$
 (C) $f^{-1}(3) = 4$
 (D) $f^{-1}(4) = 3$
12. Consider the following equation:
 $(x + 1)(x + 2)(x + 3) = 0$
 What is one of the solutions to the equation above?
 (A) -1
 (B) -2
 (C) -3
 (D) 0
13. Consider the following figure.
-
- What is one of the following that will always be true for the figure above?
 (A) 2
 (B) 3
 (C) 4
 (D) 5
14. Which of the following is a function of x ?
 (A) $\sin(x)$
 (B) $\cos(x)$
 (C) $\tan(x)$
 (D) $\cot(x)$
15. Which of the following is a function of x ?
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 (A) $\sin(x)$
 (B) $\cos(x)$
 (C) $\tan(x)$
 (D) $\cot(x)$
49. Which of the following is a function of x ?
 (A) $\sin(x)$
 (B) $\cos(x)$
 (C) $\tan(x)$
 (D) $\cot(x)$
50. Which of the following is a function of x ?
 (A) $\sin(x)$
 (B) $\cos(x)$
 (C) $\tan(x)$
 (D) $\cot(x)$

16. Which one of the following is not an agency for the State of India?

- (a) LIC
- (b) LIC Employees' Union
- (c) LIC Employees' Welfare Fund
- (d) LIC Staff

17. Which one of the following is not an essential element of a contract?

- (a) Offer
- (b) Intention to create legal relations
- (c) Absence of coercion
- (d) Consideration

18. Which one of the following is a characteristic of a contract of indemnity?

- (a) Insured has to pay a part of the loss
- (b) It is not a contract of insurance
- (c) Insured suffers the burden of extra expenditure
- (d) Insured can be held liable in damages

19. Which one of the following is not a characteristic of a contract of indemnity?

- (a) July 19
- (b) July 20
- (c) July 21
- (d) July 22

20. The principle of utmost good faith of the Contract Act is known as

- (a) *uberrimae fidei* doctrine
- (b) *insurable interest* doctrine
- (c) *proximate cause* doctrine
- (d) *concurrent liability* doctrine

21. Indemnity is not a contract of

- (a) Insurance
- (b) Surety or liability contract
- (c) Contract of indemnity
- (d) Contract of insurance

22. Which one of the following is not a contract of indemnity?

- (a) Fire Insurance
- (b) Life Insurance
- (c) Marine Insurance
- (d) Motor Insurance

23. The Contract Act, 1872 is based on

- (a) 18 August 1872
- (b) 17 August 1872
- (c) 25 August 1872
- (d) 25 August 1872

24. Which one of the following is not a characteristic of a contract of indemnity?

- (a) July
- (b) August
- (c) June
- (d) May

14. What is the primary purpose of the "Strategic Alliance" formed by the World Bank, International Monetary Fund (IMF), and World Trade Organization (WTO) in 1995?

- To address economic development issues
- To enhance global trade and investment
- To coordinate international financial policies
- To coordinate international development aid

15. The "Paris Agreement" related to the climate of the Paris COP 21 in December 2015 will be most significant to which region?

- USA
- EUROPE
- ASIA
- AFRICA

16. The "Paris Agreement" related to the climate of the Paris COP 21 in December 2015 will be most significant to which region?

- USA
- EUROPE
- ASIA
- AFRICA

17. What is the primary purpose of the "Paris Agreement" related to the climate of the Paris COP 21 in December 2015?

- To address economic development issues
- To enhance global trade and investment
- To coordinate international financial policies
- To coordinate international development aid

18. The primary purpose of the "Paris Agreement" related to the climate of the Paris COP 21 in December 2015 is to:

- Address economic development issues
- Enhance global trade and investment
- Coordinate international financial policies
- Coordinate international development aid

19. The primary purpose of the "Paris Agreement" related to the climate of the Paris COP 21 in December 2015 is to:

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- Coordinate international financial policies
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- Coordinate international development aid

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- Enhance global trade and investment
- Coordinate international financial policies
- Coordinate international development aid

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- Address economic development issues
- Enhance global trade and investment
- Coordinate international financial policies
- Coordinate international development aid

23. The primary purpose of the "Paris Agreement" related to the climate of the Paris COP 21 in December 2015 is to:

- Address economic development issues
- Enhance global trade and investment
- Coordinate international financial policies
- Coordinate international development aid

10. Because of the 2008 government health care reform:

- a) The total number of people with health insurance has increased.
- b) The total number of people with private health insurance has increased.
- c) The total number of people with health insurance has decreased.
- d) The total number of people with health insurance has increased, but the number of people with private health insurance has decreased.

11. The total number of people with health insurance has increased, but the number of people with private health insurance has decreased.

- a) Because of the 2008 government health care reform.
- b) Because of the 2008 government health care reform.
- c) Because of the 2008 government health care reform.
- d) Because of the 2008 government health care reform.

12. Which of the following is not a characteristic of the health care industry?

- a) The health care industry is a natural monopoly.
- b) The health care industry is a natural monopoly.
- c) The health care industry is a natural monopoly.
- d) The health care industry is a natural monopoly.

13. Which of the following is not a characteristic of the health care industry?

- a) The health care industry is a natural monopoly.
- b) The health care industry is a natural monopoly.
- c) The health care industry is a natural monopoly.
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- a) The health care industry is a natural monopoly.
- b) The health care industry is a natural monopoly.
- c) The health care industry is a natural monopoly.
- d) The health care industry is a natural monopoly.

8. The average for the group would be approximately _____.

- a. 1000
- b. 1100
- c. 1200
- d. 1300

9. The data for the following group would be approximately _____.

- 1. The lowest score is a female score and the highest score is a male score.
- 2. The lowest score is a female score and the highest score is a female score.
- 3. There are 10 scores and the scores are normally ordered but there are 10 scores and the scores are normally ordered.
- 4. The lowest score is a female score and the highest score is a male score.

10. The data for the following group would be approximately _____.

- a. 1000
- b. 1100
- c. 1200
- d. 1300

11. The data for the following group would be approximately _____.

- 1. The lowest score is a female score and the highest score is a male score.
- 2. The lowest score is a female score and the highest score is a female score.
- 3. There are 10 scores and the scores are normally ordered but there are 10 scores and the scores are normally ordered.
- 4. The lowest score is a female score and the highest score is a male score.

12. The data for the following group would be approximately _____.

- a. 1000
- b. 1100
- c. 1200
- d. 1300

13. The data for the following group would be approximately _____.

- a. 1000
- b. 1100
- c. 1200
- d. 1300

14. The data for the following group would be approximately _____.

- a. 1000
- b. 1100
- c. 1200
- d. 1300

80. Which one of the following is not a member of the Organisation for Economic Co-operation and Development (OECD)?

- (A) Brazil
- (B) Korea
- (C) Mexico
- (D) Turkey

81. In January 2016, which one of the following countries announced the proposal to create a special tribunal to investigate and prosecute the 1971 Bangladesh genocide?

- (A) India
- (B) France
- (C) China
- (D) Sri Lanka

82. The term 'Ecosystem of Trust' is a division of which forum?

- (A) United Nations Development Programme
- (B) World Economic Forum
- (C) Institute of Economics and Statistics
- (D) World Bank

83. The World Justice Project's 'Rule of Law Index' is

- (A) an annual index of the quality of rule of law in 190 countries
- (B) an index of law
- (C) an index of the quality of rule of law in 190 countries
- (D) an index of law

84. The operating principle of the reference of one state to another one of the following is not an element of statehood?

- (A) Statehood
- (B) Sovereignty
- (C) Statehood
- (D) Statehood

85. Which of the following is not a member of the Organisation for Economic Co-operation and Development (OECD)?

- (A) The United States of America
- (B) The United Kingdom
- (C) The United States of America
- (D) The United States of America

86. The United States of America is a member of the following organisations?

- (A) The United States of America
- (B) The United States of America
- (C) The United States of America
- (D) The United States of America

10. The value of $\sin^{-1}(\sin \frac{5\pi}{6})$ is

- (a) $\frac{5\pi}{6}$
- (b) $\frac{\pi}{6}$
- (c) $\frac{7\pi}{6}$
- (d) $\frac{11\pi}{6}$

11. The value of $\sin^{-1}(\sin \frac{7\pi}{6})$ is

- (a) $\frac{7\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{11\pi}{6}$
- (d) $\frac{\pi}{6}$

12. Value of $\sin^{-1}(\sin \frac{13\pi}{6})$ is

- (a) $\frac{13\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{11\pi}{6}$
- (d) $\frac{\pi}{6}$

13. Value of $\sin^{-1}(\sin \frac{17\pi}{6})$ is

- (a) $\frac{17\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{11\pi}{6}$
- (d) $\frac{\pi}{6}$

14. The value of $\sin^{-1}(\sin \frac{11\pi}{6})$ is

- (a) $\frac{11\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{7\pi}{6}$
- (d) $\frac{\pi}{6}$

15. Value of $\sin^{-1}(\sin \frac{15\pi}{6})$ is

- (a) $\frac{15\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{7\pi}{6}$
- (d) $\frac{\pi}{6}$

16. Value of $\sin^{-1}(\sin \frac{19\pi}{6})$ is

- (a) $\frac{19\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{7\pi}{6}$
- (d) $\frac{\pi}{6}$

17. Value of $\sin^{-1}(\sin \frac{23\pi}{6})$ is

- (a) $\frac{23\pi}{6}$
- (b) $\frac{5\pi}{6}$
- (c) $\frac{7\pi}{6}$
- (d) $\frac{\pi}{6}$

10. Which of the following is not a characteristic of the
 capital market? (10 marks)

- (a) High liquidity
- (b) High volatility
- (c) High risk
- (d) High return

Table 1

	A	B	C	D
Q1	1	1	1	1
Q2	1	1	1	1
Q3	1	1	1	1
Q4	1	1	1	1

11. Which of the following is not a characteristic of the
 capital market? (10 marks)

- (a) High liquidity
- (b) High volatility
- (c) High risk
- (d) High return

- Which of the following is not a characteristic of the
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- Which of the following is not a characteristic of the
 capital market?
- (a) High liquidity
 - (b) High volatility
 - (c) High risk
 - (d) High return

11. Which of the following is not an aspect of the fact that interest is paid?

1. The borrower's liability is not discharged.
2. It may result in a return on investment.
3. It is required by the contractual obligation.
4. It is a liability to the lender.

What is the correct answer to the question?

- A. 1 and 2
- B. 1 and 3
- C. 1 and 4
- D. 2, 3 and 4

12. Markets for goods are not usually complete markets if they are not:

1. free of all transactions costs.
2. free of all externalities.
3. free of all taxes and subsidies.
4. free of all taxes and subsidies, and of all externalities.

What is the correct answer to the question?

- A. 1 and 2
- B. 2 and 3
- C. 3 and 4
- D. 1 and 4

13. Which of the following is not a characteristic of a perfectly competitive market?

1. Information about the terms of the contract is not readily available.
2. Entry into the market is free.
3. The number of buyers and sellers is large.
4. The market is not free of externalities.

What is the correct answer to the question?

- A. 1 and 2
- B. 2 and 3
- C. 3 and 4
- D. 1 and 4

14. Which of the following is not a characteristic of a perfectly competitive market?

1. Entry into the market is free.
2. Information about the terms of the contract is not readily available.
3. The number of buyers and sellers is large.
4. The market is not free of externalities.

What is the correct answer to the question?

- A. 1 and 2
- B. 2 and 3
- C. 3 and 4
- D. 1 and 4

18. Which of the following is not a type of the 2000 Series Light series by Energy Efficient Company?
- (a) T5-8W/835
 - (b) T5-9W
 - (c) T5-12W
 - (d) T5-15W

19. Which of the following is not a normal type of lamp used in the office? (A) Incandescent, (B) fluorescent,

Power	Light Color
1. Incandescent	Full Spectrum
	Warm
2. Fluorescent	Full Spectrum
	Warm
3. LED	Full Spectrum
	Warm
4. CFL	Full Spectrum
	Warm

and (C) LED. Which of the following is not a type of lamp used in the office?

- (a) CFL
- (b) LED
- (c) T5
- (d) T8

20. Which of the following is not a type of lamp used in the office? (A) Incandescent, (B) fluorescent,

- (c) LED
- (d) CFL

21. Which of the following is not a type of lamp used in the office? (A) Incandescent, (B) fluorescent,

- (c) LED
- (d) CFL

22. Which of the following is not a type of lamp used in the office? (A) Incandescent, (B) fluorescent,

- (c) LED
- (d) CFL

23. Which of the following is not a type of lamp used in the office? (A) Incandescent, (B) fluorescent,

- (c) LED
- (d) CFL

24. Which of the following is not a type of lamp used in the office? (A) Incandescent, (B) fluorescent,

- (c) LED
- (d) CFL

11. Why among the following countries is India a good example for the development of the industry?

- (a) India has
- (b) The skilled labour
- (c) Cheap labour
- (d) Government incentives

12. The major problem of India is the US steel industry. In 2012, the price of

- (a) India is high
- (b) India is low
- (c) India is high
- (d) India is low

13. Most of the following countries is the world?

- (a) India has a primary steel industry in the form of the industry of the world.
- (b) India has a primary steel industry in the form of the industry of the world.
- (c) India has a primary steel industry in the form of the industry of the world.
- (d) India has a primary steel industry in the form of the industry of the world.

14. The price of steel in the world is

- (a) Low
- (b) High
- (c) Low
- (d) High

11. Using the following information, write a paragraph (100-120 words) on the topic of "The Role of Technology in Education".

Topic:

1. The use of computers in classrooms has increased significantly in the last decade.

2. Many students find learning more engaging when using interactive software.

3. However, some argue that technology is a distraction from learning.

4. The role of technology in education is still a topic of debate.

1. Discuss the benefits of using technology in the classroom.

2. Discuss the challenges of using technology in the classroom.

3. Discuss the role of teachers in using technology in the classroom.

4. Discuss the role of parents in using technology in the classroom.

5. Discuss the future of technology in education.

1. Discuss the role of technology in education.

2. Discuss the benefits of using technology in the classroom.

3. Discuss the challenges of using technology in the classroom.

4. Discuss the role of teachers in using technology in the classroom.

5. Discuss the role of parents in using technology in the classroom.

6. Discuss the future of technology in education.

7. Discuss the impact of technology on the learning process.

10. According to the passage, which of the following is the most likely reason that the National Park Service is worried?

- A. Some of the people who have died.
- B. Some animals that have died.
- C. Some people who have been injured.
- D. Some people who have been killed.

11. The main purpose of the passage is to describe a(n) _____.

- A. accident
- B. incident
- C. environmental problem
- D. forest fire

12. The word "inhabitant" in the passage is closest in meaning to _____.

- A. citizen
- B. visitor
- C. resident
- D. inhabitant

13. Which of the following is the best title for the passage?

- A. A Fire in the National Park
- B. A Fire in the National Park
- C. A Fire in the National Park
- D. A Fire in the National Park

14. Which of the following is the best title for the passage?

- A. A Fire in the National Park
- B. A Fire in the National Park
- C. A Fire in the National Park
- D. A Fire in the National Park

15. Which of the following is the best title for the passage?

- A. A Fire in the National Park
- B. A Fire in the National Park
- C. A Fire in the National Park
- D. A Fire in the National Park

16. Which of the following is the best title for the passage?

- 1. A Fire in the National Park
- 2. A Fire in the National Park
- 3. A Fire in the National Park
- 4. A Fire in the National Park

17. Which of the following is the best title for the passage?

- A. A Fire in the National Park
- B. A Fire in the National Park
- C. A Fire in the National Park
- D. A Fire in the National Park

10. Which of the following is **not** a function of the Federal Reserve?
A. To regulate the money supply
B. To issue currency
C. To act as a lender of last resort
D. To regulate the interest rate

E. To regulate the amount of bank deposits

F. To regulate the amount of bank loans

G. To regulate the amount of bank assets

H. To regulate the amount of bank liabilities

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F. To regulate the amount of bank loans

G. To regulate the amount of bank assets

H. To regulate the amount of bank liabilities

I. To regulate the amount of bank liabilities

J. To regulate the amount of bank liabilities

K. To regulate the amount of bank liabilities

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A. To regulate the money supply
B. To issue currency
C. To act as a lender of last resort
D. To regulate the interest rate

E. To regulate the amount of bank deposits

F. To regulate the amount of bank loans

G. To regulate the amount of bank assets

H. To regulate the amount of bank liabilities

I. To regulate the amount of bank liabilities

12. Which of the following is not a characteristic of a good leader?

- (A) Visionary
- (B) Empathetic
- (C) Authoritative
- (D) Collaborative
- (E) Supportive

	A	B	C	D
13	1	2	3	4
14	2	3	4	1
15	3	4	1	2
16	4	1	2	3
17	1	2	3	4

13. Which of the following is not a characteristic of a good leader?

- (A) Visionary
- (B) Empathetic
- (C) Authoritative
- (D) Collaborative
- (E) Supportive

	A	B	C	D
18	1	2	3	4
19	2	3	4	1
20	3	4	1	2
21	4	1	2	3

14. Which of the following is not a characteristic of a good leader?

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- (B) Empathetic
- (C) Authoritative
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- (E) Supportive

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- (A) Visionary
- (B) Empathetic
- (C) Authoritative
- (D) Collaborative
- (E) Supportive

36. What is the maximum number of electrons that can occupy the $n = 3$ shell?
- 2
 - 8
 - 18
 - 32
37. How many orbitals in the $n = 3$ shell contain at least one electron for a hydrogen atom?
- 1
 - 3
 - 9
 - 27
38. How many orbitals in the $n = 3$ shell contain at least one electron for a lithium atom?
- 1
 - 3
 - 9
 - 27
39. How many orbitals in the $n = 3$ shell contain at least one electron for a boron atom?
- 1
 - 3
 - 9
 - 27
40. How many orbitals in the $n = 3$ shell contain at least one electron for a nitrogen atom?
- 1
 - 3
 - 9
 - 27
41. How many orbitals in the $n = 3$ shell contain at least one electron for a fluorine atom?
- 1
 - 3
 - 9
 - 27
42. How many orbitals in the $n = 3$ shell contain at least one electron for a neon atom?
- 1
 - 3
 - 9
 - 27

43. Which of the following is not a characteristic of a metal?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.
44. Which of the following is not a characteristic of a nonmetal?
- It has a low melting point.
 - It has a low density.
 - It has a low conductivity.
 - It has a high boiling point.
45. Which of the following is not a characteristic of a metalloid?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.
46. Which of the following is not a characteristic of a noble gas?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.
47. Which of the following is not a characteristic of a halogen?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.
48. Which of the following is not a characteristic of an alkali metal?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.
49. Which of the following is not a characteristic of a transition metal?
- It has a high melting point.
 - It has a high density.
 - It has a high conductivity.
 - It has a low boiling point.

10. Which of the following is not a characteristic of a firm's short-run production function?

(a) Total product is concave.
 (b) Marginal product is concave.

11. The short-run production function for a firm is given by

$Q = 10L - 0.5L^2$, where Q is output and L is labor.

At $L = 10$, the marginal product of labor is

(a) 5
 (b) 10
 (c) 15
 (d) 20

Problems

12.

L	Q	MP_L	AP_L
1	10	10	10
2	20	10	10
3	30	10	10
4	40	10	10
5	50	10	10

13. Which of the following is not a characteristic of a firm's short-run production function?

(a) Total product is concave.
 (b) Marginal product is concave.
 (c) Marginal product is increasing.
 (d) Marginal product is decreasing.

14. Suppose the short-run production function for a firm is given by

$Q = 10L - 0.5L^2$, where Q is output and L is labor. At $L = 10$, the marginal product of labor is

(a) 5
 (b) 10
 (c) 15
 (d) 20

15. The short-run production function for a firm is given by

(a) $Q = 10L - 0.5L^2$
 (b) $Q = 10L - 0.5L^3$
 (c) $Q = 10L - 0.5L^4$
 (d) $Q = 10L - 0.5L^5$

16. Suppose a firm's short-run production function is given by

L	Q
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

17.

L	Q	MP_L	AP_L
1	10	10	10
2	20	10	10
3	30	10	10
4	40	10	10
5	50	10	10

36. The number of integers between 10 and 100 that are divisible by 5 is

- (A) 19
- (B) 20
- (C) 21
- (D) 22
- (E) 23

37. A number is divided by 5, and the remainder is 3. The number is then divided by 7, and the remainder is 2. What is the remainder when the number is divided by 35?

- (A) 2
- (B) 3
- (C) 4
- (D) 5
- (E) 6

38. What is the value of $\frac{1}{2}$ of 200?

- (A) 100
- (B) 150
- (C) 200
- (D) 250
- (E) 300

39. Which of the following is the greatest integer less than 100 that is divisible by 15?

- (A) 60
- (B) 75
- (C) 90
- (D) 100
- (E) 115

40. The number of integers between 10 and 100 that are divisible by 3 is

- (A) 30
- (B) 33
- (C) 36
- (D) 39
- (E) 42

41. The number of integers between 10 and 100 that are divisible by 4 is

- (A) 22
- (B) 24
- (C) 26
- (D) 28
- (E) 30

4. Which of the following is not a common type of bond?

- A. Corporate
- B. Municipal
- C. Treasury
- D. Zero-coupon

5. Which of the following is not a common type of bond?

- A. Corporate
- B. Municipal
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6. Which of the following is not a common type of bond?

- A. Corporate
- B. Municipal
- C. Treasury
- D. Zero-coupon

7. Which of the following is not a common type of bond?

- A. Corporate
- B. Municipal
- C. Treasury
- D. Zero-coupon

8. Which of the following is not a common type of bond?

- A. Corporate
- B. Municipal
- C. Treasury
- D. Zero-coupon

9. Which of the following is not a common type of bond?

A. Corporate

B. Municipal

C. Treasury

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B. Municipal

C. Treasury

D. Zero-coupon

10. The number of students who are enrolled in both the science and the math classes is 10. The number of students who are enrolled in the science class is 20. The number of students who are enrolled in the math class is 30. The number of students who are enrolled in neither class is 40. How many students are enrolled in either class?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

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Class	Number of Students
Science	20
Math	30
Both	10
Neither	40

Class	Number of Students
Science	20
Math	30
Both	10
Neither	40

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- (C) 30
- (D) 40
- (E) 50

15. The number of students who are enrolled in both the science and the math classes is 10. The number of students who are enrolled in the science class is 20. The number of students who are enrolled in the math class is 30. The number of students who are enrolled in neither class is 40. How many students are enrolled in either class?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

8. The graph of a function passes through the points $(-1, 2)$ and $(1, 2)$.

- (A) $y = x^2$
- (B) $y = x^2 + 1$
- (C) $y = x^2 + 2$
- (D) $y = x^2 + 3$

9. Which of the following is true?

- (A) $\sqrt{16} = 4$
- (B) $\sqrt{16} = -4$
- (C) $\sqrt{16} = \pm 4$
- (D) $\sqrt{16} = 2$

10. The number $\sqrt{16}$ is a rational number. Which of the following is not a rational number?

- (A) $\sqrt{16}$
- (B) $\sqrt{17}$
- (C) $\sqrt{18}$
- (D) $\sqrt{19}$

11. The point P is on the line that is the perpendicular bisector of the segment AB . Which of the following is true?

- (A) $PA = PB$
- (B) $PA > PB$
- (C) $PA < PB$
- (D) $PA \neq PB$

12. An angle is 10° less than its complement. What is the measure of the angle?

- (A) 10°
- (B) 20°
- (C) 30°
- (D) 40°

13. The angle of a triangle is 10° less than the angle of another triangle. What is the angle?

- (A) 10°
- (B) 20°
- (C) 30°
- (D) 40°

14. The angle of a triangle is 10° less than the angle of another triangle. What is the angle?

- (A) 10°
- (B) 20°
- (C) 30°
- (D) 40°

15. The angle of a triangle is 10° less than the angle of another triangle. What is the angle?

- (A) 10°
- (B) 20°
- (C) 30°
- (D) 40°

17. Which of the following is the correct order of the following steps in the process of a cell's division?
1. DNA replication
2. Prophase
3. Metaphase
4. Anaphase
5. Telophase

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

18. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

19. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

20. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

21. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

22. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

23. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

24. Which of the following is the correct order of the following steps in the process of a cell's division?
1. Prophase
2. Metaphase
3. Anaphase
4. Telophase
5. Cytokinesis

- (A) 1, 2, 3, 4, 5
- (B) 2, 3, 4, 5, 1
- (C) 3, 4, 5, 1, 2
- (D) 4, 5, 1, 2, 3

6. In which of the following cases, the total cost of the contract is a variable cost?

- a. Contract for the purchase of raw materials
- b. Contract for the purchase of a building
- c. Contract for the purchase of a machine
- d. Contract for the purchase of a car

7. Which of the following is not a variable cost?

- a. Direct material
- b. Direct labour
- c. Indirect material
- d. Indirect labour

8. The variable cost of a product is 100 pence. The selling price is 150 pence.

- a. When the sales are 100,000 units, the contribution margin is 50,000 pence.
- b. When the sales are 100,000 units, the contribution margin is 50,000 pence.
- c. When the sales are 100,000 units, the contribution margin is 50,000 pence.
- d. When the sales are 100,000 units, the contribution margin is 50,000 pence.

9. Which of the following is a variable cost?

Direct material

- a. Direct material
- b. Direct labour
- c. Indirect material
- d. Indirect labour

10. Which of the following is a variable cost?

- a. Direct material
- b. Direct labour
- c. Indirect material
- d. Indirect labour

11. Which of the following is a variable cost?

- a. Direct material
- b. Direct labour
- c. Indirect material
- d. Indirect labour

89. Which of the following is not a type of β -decay?
- positron emission
 - electron capture
 - neutrino emission
 - neutrino absorption
 - electron emission

90. Which of the following is not a type of ionizing radiation?
- gamma rays
 - alpha particles
 - beta particles
 - neutrons
 - protons

91. An ionizing radiation that is emitted from a substance as it transitions from an excited state to a lower energy state is called a(n) _____.
- alpha particle
 - beta particle
 - gamma ray
 - neutron
 - positron

92. Radioactive isotopes of an element have the same _____, but different _____.
- atomic number; mass number
 - atomic number; number of protons
 - mass number; number of protons
 - mass number; number of neutrons
 - number of protons; number of neutrons

93. Which of the following is not a type of ionizing radiation?
- alpha particles
 - beta particles
 - gamma rays
 - neutrons
 - positrons

94. Which of the following is not a type of ionizing radiation?
- alpha particles
 - beta particles
 - gamma rays
 - neutrons
 - positrons
95. Which of the following is not a type of ionizing radiation?
- alpha particles
 - beta particles
 - gamma rays
 - neutrons
 - positrons

96. Which of the following is not a type of ionizing radiation?
- alpha particles
 - beta particles
 - gamma rays
 - neutrons
 - positrons

10. (10)

11. (10) The value of $\sin^{-1}(\sin \frac{2\pi}{3})$ is

12. (10) The value of $\cos^{-1}(\cos \frac{2\pi}{3})$ is

x	$\sin x$	$\cos x$	$\tan x$	$\cot x$	$\sec x$	$\csc x$
$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$	$\sqrt{3}$	$\frac{2}{\sqrt{3}}$	2
$\frac{\pi}{4}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{2}}$	1	1	$\sqrt{2}$	$\sqrt{2}$
$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$	$\frac{1}{\sqrt{3}}$	$\frac{2}{\sqrt{3}}$	$\frac{2}{\sqrt{3}}$
$\frac{\pi}{2}$	1	0	∞	0	∞	1
$\frac{2\pi}{3}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$-\sqrt{3}$	$-\frac{1}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$
$\frac{3\pi}{4}$	$\frac{1}{\sqrt{2}}$	$-\frac{1}{\sqrt{2}}$	-1	-1	$-\sqrt{2}$	$-\sqrt{2}$
$\frac{5\pi}{6}$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{3}}$	$-\sqrt{3}$	$-\frac{2}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$
π	0	-1	∞	0	∞	∞
$\frac{7\pi}{6}$	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$	$-\sqrt{3}$	$-\frac{2}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$
$\frac{5\pi}{4}$	$-\frac{1}{\sqrt{2}}$	$-\frac{1}{\sqrt{2}}$	1	1	$-\sqrt{2}$	$-\sqrt{2}$
$\frac{3\pi}{2}$	-1	0	∞	0	∞	-1
$\frac{4\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\sqrt{3}$	$-\frac{1}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$
$\frac{5\pi}{3}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{\sqrt{3}}$	$\sqrt{3}$	$-\frac{2}{\sqrt{3}}$	$-\frac{2}{\sqrt{3}}$
$\frac{7\pi}{4}$	$-\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{2}}$	-1	-1	$-\sqrt{2}$	$-\sqrt{2}$
2π	0	1	∞	0	∞	∞

13. (10) The value of $\sin^{-1}(\sin \frac{5\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

14. (10) The value of $\cos^{-1}(\cos \frac{5\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

15. (10) The value of $\sin^{-1}(\sin \frac{7\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

16. (10) The value of $\cos^{-1}(\cos \frac{7\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

17. (10) The value of $\sin^{-1}(\sin \frac{11\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

18. (10) The value of $\cos^{-1}(\cos \frac{11\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

19. (10) The value of $\sin^{-1}(\sin \frac{13\pi}{6})$ is



20. (10) The value of $\cos^{-1}(\cos \frac{13\pi}{6})$ is

- (A) $\frac{\pi}{6}$
- (B) $\frac{5\pi}{6}$
- (C) $\frac{7\pi}{6}$
- (D) $\frac{11\pi}{6}$

22. **Counting Rate**



The detector is connected to a counter which is connected to a display or recording device. The detector is connected to a counter which is connected to a display or recording device.

- (A) 10
- (B) 20
- (C) 30
- (D) 40



The detector is connected to a counter which is connected to a display or recording device. The detector is connected to a counter which is connected to a display or recording device.

- (A) 10
- (B) 20
- (C) 30
- (D) 40

23. **Counting Rate**

The detector is connected to a counter which is connected to a display or recording device. The detector is connected to a counter which is connected to a display or recording device.

- (A) 10
- (B) 20
- (C) 30
- (D) 40



The detector is connected to a counter which is connected to a display or recording device. The detector is connected to a counter which is connected to a display or recording device.

- (A) 10
- (B) 20
- (C) 30
- (D) 40

24. **Counting Rate**

Time	Count
0	0
10	10
20	20
30	30
40	40



- (A) 10
- (B) 20
- (C) 30
- (D) 40

III. **Wasserhaushalt, osmotische**

- 1. **Was versteht man unter osmotischer Aktivität?**
- 2. **Welche Faktoren beeinflussen die osmotische Aktivität?**
- 3. **Welche Rolle spielt die osmotische Aktivität bei der Wasserregulation?**

IV. **Wasserhaushalt, osmotische (Fortsetzung)**

- a. **Wasserhaushalt**
- b. **Wasserregulation**
- c. **Wasserhaushalt**
- d. **Wasserhaushalt**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- 1. **Was versteht man unter osmotischer Aktivität?**
- 2. **Welche Faktoren beeinflussen die osmotische Aktivität?**
- 3. **Welche Rolle spielt die osmotische Aktivität bei der Wasserregulation?**
- 4. **Welche Rolle spielt die osmotische Aktivität bei der Wasserregulation?**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- a. **Wasserhaushalt**
- b. **Wasserregulation**
- c. **Wasserhaushalt**
- d. **Wasserhaushalt**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- 1. **Was versteht man unter osmotischer Aktivität?**
- 2. **Welche Faktoren beeinflussen die osmotische Aktivität?**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- a. **Wasserhaushalt**
- b. **Wasserregulation**
- c. **Wasserhaushalt**
- d. **Wasserhaushalt**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- a. **Wasserhaushalt**
- b. **Wasserregulation**
- c. **Wasserhaushalt**
- d. **Wasserhaushalt**

III. **Wasserhaushalt, osmotische (Fortsetzung)**

- a. **Wasserhaushalt**
- b. **Wasserregulation**
- c. **Wasserhaushalt**
- d. **Wasserhaushalt**

4. The total potential that is available for the conversion of light into ATP is called the Δ

- a. membrane
- b. energy
- c. proton potential
- d. voltage

5. The cell's total energy stores (including ATP) is called

- a. the proton potential stored in the membrane
- b. the magnitude of the proton potential and voltage in the cell
- c. the magnitude of a membrane potential and the height of the electrical field
- d. the system of membrane potential

6. The membrane potential is

- a) 1 mV
- b) 100
- c) 1 volt
- d) 100 mV

7. The cause of the driving potential across the membrane is

- a) light
- b) energy
- c) ATP
- d) the voltage

8. Energy is converted into ATP

- a) during the light part of the day
- b) during photosynthesis
- c) only in plants during the day of the day
- d) during the day and night

9. The cause of potential difference is

- a) 1 mV
- b) 100 V
- c) 100
- d) 100 mV

10. The cause of the driving potential across the membrane is

- a) there is a potential difference between the membrane
- b) there is a potential difference between the membrane and the cell
- c) there is a potential difference between the membrane and the cell
- d) there is a potential difference between the membrane and the cell

8. What are the two primary functions that a power transmission system is used?

- a. Efficiently transfer electrical energy from the source to the load.
- b. Store energy in the system and release it when needed.
- c. Provide a means for controlling the flow of energy.
- d. Provide a means for monitoring the system to detect any abnormal conditions.

9. The maximum voltage of a single-phase system is equal to the line-to-line voltage.

1. True or False? If the voltage is V .
2. True or False? The maximum voltage is V .
3. True or False? The maximum voltage is $V\sqrt{3}$.
4. True or False? The maximum voltage is $V/2$.

10. The maximum voltage of a three-phase system is equal to the line-to-line voltage.

- a. $V\sqrt{3}$
- b. V
- c. $V/2$
- d. $V/2\sqrt{3}$

11. The maximum voltage of a three-phase system is equal to the line-to-line voltage.

- a. $V\sqrt{3}$
- b. V
- c. $V/2$
- d. $V/2\sqrt{3}$

12. What are the three primary functions that a power transmission system is used?

1. Efficiently transfer electrical energy from the source to the load.
2. Store energy in the system and release it when needed.
3. Provide a means for controlling the flow of energy.

13. The maximum voltage of a three-phase system is equal to the line-to-line voltage.

- a. $V\sqrt{3}$
- b. V
- c. $V/2$
- d. $V/2\sqrt{3}$

11. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

12. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

13.

14	15	16	17
18	19	20	21
22	23	24	25
26	27	28	29
30	31	32	33
34	35	36	37
38	39	40	41
42	43	44	45
46	47	48	49
50	51	52	53
54	55	56	57
58	59	60	61
62	63	64	65
66	67	68	69
70	71	72	73
74	75	76	77
78	79	80	81
82	83	84	85
86	87	88	89
90	91	92	93
94	95	96	97
98	99	100	101

14. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

15. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

16. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

17. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

18. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

19. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

20. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

21. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

22. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

23. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

24. Which of the following is not a type of cell?

- Prokaryotic
- Eukaryotic
- Plant
- Animal

25. Which of the following is not a type of tissue?
 - Epithelial
 - Connective
 - Muscle
 - Nervous

10. Consider the following figure:



A spherical cap of height h is defined as a portion of a sphere of radius r with the center of the sphere at a distance $r - h$ from the cap's base.

$$\begin{aligned}
 \cos \theta &= \frac{r-h}{r} & \sin \theta &= \frac{h}{r} \\
 \cos^2 \theta &= \frac{r-h}{r} & \sin^2 \theta &= \frac{h}{r}
 \end{aligned}$$

11. If α is an acute angle, then the following is a true statement. If α is equal to 30° , then $\sin \alpha$ is equal to $\cos \alpha$. If α is equal to 45° , then $\sin \alpha$ is equal to $\cos \alpha$. If α is equal to 60° , then $\sin \alpha$ is equal to $\cos \alpha$. If α is equal to 90° , then $\sin \alpha$ is equal to $\cos \alpha$.

$$\begin{aligned}
 \sin \alpha &= \cos \alpha & \sin \alpha &= \cos \alpha \\
 \sin \alpha &= \cos \alpha & \sin \alpha &= \cos \alpha
 \end{aligned}$$

12. Consider the following figure:



What is the value of $\sin \theta$ if θ is the angle between the horizontal and vertical diameters of the first circle?

$$\begin{aligned}
 \sin \theta &= \frac{1}{2} & \sin \theta &= \frac{1}{\sqrt{2}} \\
 \sin \theta &= \frac{1}{\sqrt{2}} & \sin \theta &= \frac{1}{2}
 \end{aligned}$$

13. What is the value of $\sin \theta$ if θ is the angle between the horizontal and vertical diameters of the second circle?

$$\begin{aligned}
 \sin \theta &= \frac{1}{2} \\
 \sin \theta &= \frac{1}{\sqrt{2}} \\
 \sin \theta &= \frac{1}{2} \\
 \sin \theta &= \frac{1}{\sqrt{2}}
 \end{aligned}$$

14. In a right-angled triangle:

the square of the hypotenuse

is equal to the sum of the squares of the other two sides.

$$\begin{aligned}
 c^2 &= a^2 + b^2 \\
 c &= a + b \\
 c &= a^2 + b^2 \\
 c &= a + b
 \end{aligned}$$

15. What is the value of $\sin \theta$ if θ is the angle between the horizontal and vertical diameters of the third circle?

- The value of $\sin \theta$ is equal to $\frac{1}{2}$.
- The value of $\sin \theta$ is equal to $\frac{1}{\sqrt{2}}$.
- The value of $\sin \theta$ is equal to $\frac{1}{2}$.
- The value of $\sin \theta$ is equal to $\frac{1}{\sqrt{2}}$.

10. Which one of the following statements regarding acids is incorrect? (M0801)

- (a) Acetic acid is a weak acid.
- (b) It is a weak acid.
- (c) It is a strong acid.
- (d) It is a weak acid.

11. Which one of the following statements regarding acids is incorrect?

- (a) The acid is a weak acid.
- (b) It is a weak acid.
- (c) It is a strong acid.
- (d) It is a weak acid.

12. Which one of the following statements is correct?

- (a) It is a weak acid.
- (b) It is a strong acid.
- (c) It is a weak acid.
- (d) It is a strong acid.

13. Which one of the following statements regarding acids is incorrect?

- (a) It is a weak acid.
- (b) It is a strong acid.
- (c) It is a weak acid.
- (d) It is a strong acid.

14. Which one of the following statements regarding acids is incorrect?

- (a) It is a weak acid.
- (b) It is a strong acid.
- (c) It is a weak acid.
- (d) It is a strong acid.

Table

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

14. Which of the following is **not** a type of **non-ferrous metal**?

- A. Tin/Lead
- B. Iron/Steel
- C. Copper
- D. Aluminium

15. Which of the following is **not** a type of **steel**?

- A. Low alloy
- B. Austenitic
- C. Low alloy ferritic
- D. Ferritic

16. Which of the following is the **most** **heavy** type of **steel** that is used in the **construction** of **bridges**?

- A. Structural mild steel
-low yield
- B. High strength low alloy
-high yield
- C. Low alloy ferritic steel
-low yield
- D. Ferritic low alloy steel
-low yield

17. Which one of the following **is** **not** a type of **low alloy steel** that is used in the **construction** of **bridges**?

- A. Ferritic
- B. Bain
- C. Pearl
- D. Martensitic

18. Which of the following **is** **not** a type of **steel**?

- A. Ferritic low alloy high yield steel
- B. Ferritic low alloy low yield steel
- C. Ferritic low alloy ferritic steel
- D. Ferritic low alloy pearlitic steel

19. If the **yield strength** of a steel is **increased** **with** the **same** **amount** of **carbon** **added**?

- A. It increases 1 times
- B. It increases 2 times
- C. It increases 3 times
- D. It increases 4 times

20. Expansion

$$\frac{1}{l} \frac{dl}{dt} = \alpha \frac{1}{V} \frac{dV}{dt}$$

is **twice** by α if the **temperature** **is** **increased** **by** **twice** **the** **normal** **rate** **of** α

- A. 1/2
- B. 1/3
- C. 1/4
- D. 1/5

16. Suppose a, b, c, d are 4 real numbers and $a + b + c + d = 0$. Which of the following is true?

- $a + b + c + d = 0$
- $a + b + c + d = 1$
- $a + b + c + d = 2$
- $a + b + c + d = 3$

17. What is the perimeter of a square with side length 5?

- 10
- 15
- 20
- 25

18. A bag of apples weighs 5 kg and a bag of oranges weighs 3 kg. The price of apples is \$2 per kg and the price of oranges is \$3 per kg. The total weight of the apples and oranges is 10 kg. How much more apples than oranges are there?

19. A bag of apples weighs 5 kg and a bag of oranges weighs 3 kg. The total weight of the apples and oranges is 10 kg. How much more apples than oranges are there?

20. A bag of apples weighs 5 kg and a bag of oranges weighs 3 kg. The total weight of the apples and oranges is 10 kg. How much more apples than oranges are there?

- 1 kg
- 2 kg
- 3 kg
- 4 kg

21. A bag of apples weighs 5 kg and a bag of oranges weighs 3 kg. The total weight of the apples and oranges is 10 kg. How much more apples than oranges are there?

- 1 kg
- 2 kg
- 3 kg
- 4 kg

22. What is the perimeter of a square with side length 5?

- 10
- 15
- 20
- 25

23. What is the perimeter of a square with side length 5?

- 10
- 15
- 20
- 25

24. What is the perimeter of a square with side length 5?

- 10
- 15
- 20
- 25

25. What is the perimeter of a square with side length 5?

- 10
- 15
- 20
- 25

4. The word *transverse* is closest in meaning to which one of the following words?
- longitudinal
 - oblique
 - horizontal
 - vertical
5. What one of the following words is most nearly the opposite of *transverse*?
- longitudinal
 - vertical
 - horizontal
 - oblique
6. What is the opposite of *transverse*?
- longitudinal
 - vertical
 - horizontal
 - oblique
7. The word *transverse* is closest in meaning to which one of the following words?
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19. The word *transverse* is closest in meaning to which one of the following words?
- longitudinal
 - oblique
 - horizontal
 - vertical
20. What one of the following words is most nearly the opposite of *transverse*?
- longitudinal
 - vertical
 - horizontal
 - oblique

41. Which of the following statements about combinations are correct?

- n objects are divided into two unequal groups.
- Product of combinations of n objects is $n!$.
- It is possible to divide n objects into 0 parts.
- It is always not possible to divide n objects into n parts.

Which of the following statements are correct?

- 1 and 2 only
- 1 and 3
- 1 and 4 only
- 1, 2 and 4

42. Which one of the following is not an impossible event?

- None
- Rolling a 6 on a die
- Rolling a 7 on a die
- Rolling a 0 on a die

43. Which one of the following is not a real number?

- Imaginary
- Rational
- Complex
- Integer

44. Consider an equilateral triangle with side length 10 cm. Find the distance from a vertex to the other two vertices.



The perpendicular distance from each of the vertices to the other two vertices is 10 cm. The distance from each vertex to the other two vertices is 10 cm. The distance from each vertex to the other two vertices is 10 cm.

- 10 cm
- 5 cm
- 10 cm
- 10 cm

45. Which of the following are correct statements for sets A and B?

- Both sets are equal to the union of the two sets.
- Both sets are equal to the intersection of the two sets.
- If A and B are disjoint sets, then the union of A and B is the same as the union of A and B.

Which of the following are correct statements for sets A and B?

- 1 and 2 only
- 1 only
- 1 and 3
- 1 only

46. The radius of a sphere is 2 feet. The surface area of the sphere is A square feet. The volume of the sphere is V cubic feet.

- (A) $A < V$
- (B) $A = V$
- (C) $A > V$
- (D) $A < 2V$

47. The area of a square is 16 square feet. The perimeter of the square is P feet. The length of one side of the square is S feet.

- (A) $S = P$
- (B) $S < P$
- (C) $S > P$
- (D) $S = 2P$

48. The sides of a square are parallel to the axes. The length of one side of the square is 4 units. The vertices of a right triangle are at the origin, the point on the length of the top side of the square, and the point on the length of the right side of the square.

- (A) neither $x < y$
- (B) $x < y$ but $x > y$ for the origin
- (C) $x > y$ but $x < y$ for the origin
- (D) neither $x < y$

Answer: C

The radius of a sphere is 2 feet. The surface area of the sphere is A square feet and the volume of the sphere is V cubic feet. The surface area of a sphere is $4\pi r^2$ and the volume of a sphere is $\frac{4}{3}\pi r^3$.

Thus,

- (A) $4\pi(2)^2 = 16\pi$ and $\frac{4}{3}\pi(2)^3 = \frac{32}{3}\pi$ so the surface area is greater than the volume.
- (B) $4\pi(2)^2 = 16\pi$ and $\frac{4}{3}\pi(2)^3 = \frac{32}{3}\pi$ so the surface area is less than the volume.
- (C) $4\pi(2)^2 = 16\pi$ and $\frac{4}{3}\pi(2)^3 = \frac{32}{3}\pi$ so the surface area is greater than the volume.
- (D) $4\pi(2)^2 = 16\pi$ and $\frac{4}{3}\pi(2)^3 = \frac{32}{3}\pi$ so the surface area is less than the volume.

Answer: C

Since $16\pi > \frac{32}{3}\pi$, the surface area is greater than the volume.

Answer: C

Since $16\pi > \frac{32}{3}\pi$, the surface area is greater than the volume.

Answer: C

A square with side length 4 has a right triangle with vertices at the origin, the point on the top side of the square, and the point on the right side of the square.

Answer: C

A square with side length 4 has a right triangle with vertices at the origin, the point on the top side of the square, and the point on the right side of the square.

14. Answer D

Through multiple applications of the distributive property, the factors multiply into variables.

Answer E

Quotient variables generally can not be multiplied a factor into using xy .

15. Answer C

It is the same thing to look for a common factor and add it to the terms. In this case, the sign is not being considered.

Answer E

The factor was correct if you could remove the factor from all terms.

16. Answer C

Because factor pairs in a binomial must appear in identical form, you need to identify the factors.

Answer E

No factor has appeared in a binomial, so you must consider all possible options for factors that

17. Answer C

It takes a variety of the numbers of the type shown to make the correct number of the type indicated.

Answer E

Notice that the type indicated is the same type as the number and a term that usually is considered true.

18. Answer C

An important feature was used to determine the type of the type.

Answer E

Use the binomial theorem to determine the type of the type.

19. Answer C

Notice the pattern of the binomial and the type of the binomial and the type of the binomial.

Answer E

In addition, the type of the binomial and the type of the binomial and the type of the binomial.

20. Answer C

Notice the pattern of the binomial and the type of the binomial and the type of the binomial.

Answer E

Use the binomial theorem to determine the type of the binomial and the type of the binomial.

The type of the binomial and the type of the binomial and the type of the binomial.

The type of the binomial and the type of the binomial and the type of the binomial.

The type of the binomial and the type of the binomial and the type of the binomial.

The type of the binomial and the type of the binomial and the type of the binomial.

16. Which of the following statements about the Internet is **not** correct?

- a. The original design of Internet is for "military" and "academic" use connected to each other.
- b. Internet itself has no control on the transfer of the data on the Internet.

What do you mean by "military" and "academic"?

- a. 1960
- b. 1970
- c. 1980-1990
- d. 1990-1995

17. The term "military" is linked to which country in early 1960?

- a. United States
- b. France
- c. Russia
- d. Australia

18. Which source is the main idea of the term "military"?

- a. The Internet (1960-1970)
- b. The Internet (1970-1980)
- c. The Internet (1980-1990)
- d. The Internet (1990-2000)

19. Which year is the starting point of a revolution in the growth of the Internet in the early 1990s? The Internet is linked to the government in the early of the 1990s.

- a. Government (1990-1995)
- b. U.S. Dept. of Defense (1990-1995)
- c. Military (1990-1995)
- d. U.S. Bureau of Census (1990-1995)

20. Which is the starting point of a revolution in the growth of the Internet in the early of the 1990s? The Internet is linked to the government in the early of the 1990s.

- a. The Internet (1990-1995)
- b. The Internet (1995-2000)
- c. The Internet (2000-2005)
- d. The Internet (2005-2010)

18. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

19. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

20. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

21. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

22. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

23. Which of the following is **not** a function of the Financial Services Regulatory Board (FSRB)?

- (A) To monitor and regulate
- (B) To monitor and regulate
- (C) To monitor and regulate
- (D) To monitor and regulate

43. What year did the following countries first send female athletes to compete in the Winter Olympic Games?

- a) 1924
- b) 1932
- c) 1948
- d) 1956

44. The young girl who became the world's youngest chess champion in 1920 was a grand slam:

- a) U.S. player
- b) British player
- c) Yugoslavian
- d) Soviet player

45. What is the primary purpose of the International Olympic Committee?

- 1. To coordinate, maintain and develop Olympic activities
- 2. To be the final authority on all Olympic matters
- 3. To be the primary source of information on the Olympic Games

What is the primary purpose of the Olympic Committee?

- a) To coordinate
- b) To be the final authority
- c) To be the primary source of information
- d) To be the primary source of information

46. What year did the Olympic Committee first begin to broadcast its games on television?

- a) 1956
- b) 1960
- c) 1964
- d) 1968

47. The Olympic Committee first began to broadcast its games on television in 1956:

- a) In the United States
- b) In the United Kingdom
- c) In the United States
- d) In the United Kingdom

48. What is the primary purpose of the Olympic Committee?

- 1. To coordinate, maintain and develop Olympic activities
- 2. To be the final authority on all Olympic matters
- 3. To be the primary source of information on the Olympic Games

What is the primary purpose of the Olympic Committee?

- a) To coordinate
- b) To be the final authority
- c) To be the primary source of information
- d) To be the primary source of information

8. What is the ending consonant cluster in the word "cave"?

- 1. The ending consonant cluster is /ve/.
- 2. The ending consonant cluster is /v/.
- 3. The ending consonant cluster is /vee/.
- 4. The ending consonant cluster is /vay/.

9. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

10. What is the ending consonant cluster in the word "cave"?

- | | |
|----------|----------|
| 1. /ve/ | 2. /v/ |
| 3. /vee/ | 4. /vay/ |
| 5. /vee/ | 6. /vay/ |
| 7. /vee/ | 8. /vay/ |

11. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

12. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

13. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

14. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

15. What is the ending consonant cluster in the word "cave"?

- 1. /ve/
- 2. /v/
- 3. /vee/
- 4. /vay/

44. The structure of an amino acid is shown below. Which of the following is not a component of the amino acid?

- (A) methyl group
- (B) hydroxyl group
- (C) amino group
- (D) hydrogen atom
- (E) carboxyl group

45. The order of the following by increasing molecular weight is:

- (A) The Great Wall of China
- (B) The United States Economy
- (C) The Province of Ontario
- (D) The United States
- (E) The United States Constitution

Which of the following is the correct order?

- (A) A, B, C, D, E
- (B) C, D, A, E, B
- (C) C, D, E, A, B
- (D) D, E, C, A, B

46. Which of the following statements is not correct in regard to energy in the context of a cell?

- (A) Energy increases
- (B) Matter increases
- (C) Entropy decreases
- (D) Protein increases

47. Which of the following is the correct indication of language control by the brain in the context of a cell?

- (A) Broca's Area is not involved
- (B) Broca's Area is involved
- (C) Broca's Area is not involved
- (D) Broca's Area is involved

48. Which of the following is the correct indication of language control by the brain in the context of a cell?

- (A) Broca's Area
- (B) Broca's Area
- (C) Broca's Area
- (D) Broca's Area

87. The two walls across the street in my office

- (A) looked
- (B) were
- (C) stood
- (D) lay
- (E) appeared

88. Every time we had a meeting, the subject always was

- (A) "What strategy is being used?"
- (B) "How is the situation being handled?"
- (C) "What's the best way to deal with this?"
- (D) "What's the best way to deal with this?"

89. It has to be necessary for Henry to work at the bank because of

- (A) his financial situation
- (B) his family
- (C) his health condition
- (D) his job history

90. It is the fact that the police officers had to work in 1990 and 1991 was

- (A) unusual and unusual
- (B) very unusual
- (C) typical and unusual
- (D) unusual and unusual

91. The fact that the police officers had to work in 1990 and 1991 was

- (A) unusual
- (B) unusual
- (C) typical
- (D) unusual

92. The way in which we handled the matter

- (A) was
- (B) appeared
- (C) was
- (D) appeared

93. What is the best way to deal with the matter?

- 1. The best way to deal with the matter is to deal with it in a different way.
- 2. The best way to deal with the matter is to deal with it in a different way.

The best way to deal with the matter is to deal with it in a different way.

- (A) 1 and 2
- (B) 2 and 3
- (C) 1 and 3
- (D) 1 and 4

94. The fact that the police officers had to work in 1990 and 1991 was

- (A) unusual
- (B) unusual
- (C) typical
- (D) unusual

100. Which part of the following sentence makes the sentence in the brackets a subordinate clause?
The girl went to the school.

- The girl went to the school to get a good education.
- The girl went to the school because she was interested in learning.
- The girl went to the school when she was ten years old.
- The girl went to the school after she finished her primary school.

101. Which one of the following is not a characteristic feature of the Urdu language?

- The number of letters in the Urdu alphabet is 29, including the symbol of the Basmala, Alif, Lam, Mim, Ha, Waw, Ya, Ain, and Kaf.
- The Urdu alphabet is based on the Arabic alphabet.
- The Urdu alphabet is an abjad.
- The Urdu alphabet consists of 29 letters, but only 28 are used in writing.

102. Which of the following is not a characteristic feature of the Urdu language?

- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.

103. Which of the following is not a characteristic feature of the Urdu language?

- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.
- It is a synthetic language.

194. Suppose the price of a company's common stock falls from \$10 to \$8 a share. If the firm is expected to receive dividends from \$0.50 to \$0.40 a share, then the value of the dividend to an investor's estimate of the stock's expected return is

- a. 1% b. 2%
- c. 3% d. 4%

195. Suppose that a firm has the following data for its common stock:

- a. Total market return = 10%
- b. Total market return = 12%
- c. Total market return = 14%
- d. Total market return = 16%

196. Which of the following is not a characteristic of a pure common stock?

- a. Dividend from liquidation
- b. No right to elect the board
- c. Dividend from the firm's operations

197. Which of the following is not a characteristic of a pure common stock?

- a. 10%
- b. 12%
- c. 14%
- d. 16%

198. Which of the following is not a characteristic of a pure common stock?

- a. 10%
- b. 12%
- c. 14%
- d. 16%

199. Which of the following is not a characteristic of a pure common stock?

- a. Dividend from liquidation
- b. No right to elect the board
- c. Dividend from the firm's operations

200. Which of the following is not a characteristic of a pure common stock?

- a. 10%
- b. 12%
- c. 14%
- d. 16%

201. The return on a common stock is the sum of the return on the stock plus the return on the dividends.

- a. 10%
- b. 12%
- c. 14%
- d. 16%

12. What are the three primary risk types in insurance contracts?

- a. Market risk, credit risk, and liquidity risk
- b. The amount of the premium, the amount of the loss, and the amount of the loss
- c. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss
- d. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss

13. What are the three primary risk types in insurance contracts?

- a. Market risk, credit risk, and liquidity risk
- b. The amount of the premium, the amount of the loss, and the amount of the loss
- c. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss
- d. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss

14. What are the three primary risk types in insurance contracts?

- a. Market risk, credit risk, and liquidity risk
- b. The amount of the premium, the amount of the loss, and the amount of the loss
- c. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss
- d. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss

15. What are the three primary risk types in insurance contracts?

- a. Market risk
- b. Credit risk
- c. Liquidity risk
- d. All of the above

16. What are the three primary risk types in insurance contracts?

- a. Market risk
- b. Credit risk
- c. Liquidity risk
- d. All of the above

17. What are the three primary risk types in insurance contracts?

- a. Market risk, credit risk, and liquidity risk
- b. The amount of the premium, the amount of the loss, and the amount of the loss
- c. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss
- d. The policyholder's ability to pay the premium, the policyholder's ability to pay the loss, and the policyholder's ability to pay the loss

121. The area to the right of $z = 1.25$ is 0.1038. What is the area to the left of $z = 1.25$?

- a. 0.1038
- b. 0.8962
- c. 0.1962
- d. 0.8038

122. Jack's data from the experiment shows a correlation of 0.45. What is the likely result?

- a. Impact of the amount of time Jack had slept
- b. Number of years
- c. Frequency of business
- d. Number of the financial crisis

123. Which statement is the primary of Question 122? Use the word in the box to do the correct.

- a. 200
- b. 300
- c. 400
- d. 500

124. Greater the frequency of

- a. 100
- b. 200
- c. 300
- d. 400

125. The area to the right of $z = 1.25$ is 0.1038. What is the area to the left of $z = 1.25$?

- a. 0.1038
- b. 0.8962
- c. 0.1962
- d. 0.8038

126. Which statement is the primary of Question 122? Use the word in the box to do the correct.

- 1. 1000: correlation, impact, is, number, to, from, area, to, left.
- 2. 1000: correlation, impact, is, number, to, from, area, to, left.
- 3. 1000: correlation, impact, is, number, to, from, area, to, left.
- 4. 1000: correlation, impact, is, number, to, from, area, to, left.

127. The area to the right of $z = 1.25$ is 0.1038. What is the area to the left of $z = 1.25$?

- a. 0.1038
- b. 0.8962
- c. 0.1962
- d. 0.8038

विषय: अंग्रेजी

कक्षा: दशम कक्षा



परिचय पत्रिका
कक्षा के छात्रों के लिए



स. नं. 05

2019, 20

सूची

1. परिचय पत्रिका में प्रस्तावित, अंग्रेजी के पाठ्यक्रम में सामान्यतया 10 से अधिक पाठ्यक्रम शामिल हैं।
2. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
3. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
4. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
5. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
6. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
7. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
8. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
9. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।
10. पाठ्यक्रम में 10 से अधिक पाठ्यक्रम शामिल करने के कारण यह अधिकांश पाठ्यक्रम हैं।

4. Which one of the following statements does not describe a feature of the UK economy?

- (a) An inflation target is set on the basis of forecasts.
- (b) It has been a part of policy to cut taxes in the interests of jobs in the interests of the electorate.
- (c) It has been the subject of the 'one nation' model of a mixed economy.
- (d) It is a free market economy.

5. Which of the following statements does not describe a feature of the UK economy?

- 1. The rate is subject to capital controls. Investment has not to date been subject to a higher rate than 10%.
- 2. The price controls are in place to help to help the economy to grow.
- 3. The price controls are in place to help to help the economy to grow.

6. Which of the following is not a feature of the UK economy?

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 3
- (d) 1 and 4

7. Which one of the following is not a feature of the UK economy of the 1980s? (The UK economy is characterised by a high rate of inflation in the 1980s.)

- (a) The inflation rate was high.
- (b) The inflation rate was high.
- (c) The inflation rate was high.
- (d) The inflation rate was high.

8. Which of the following is not a feature of the UK economy?

- 1. The rate is subject to capital controls.
- 2. The price controls are in place to help to help the economy to grow.
- 3. The price controls are in place to help to help the economy to grow.

9. Which of the following is not a feature of the UK economy?

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 4
- (d) 1 and 5

2. Which word is primary stressed in each?

- (a) *British* - *some* - *countries* - *are* - *made* - *in* - *it*
- (b) *British* - *countries* - *are* - *made* - *in* - *it*
- (c) *Some* - *countries* - *are* - *made* - *in* - *it*
- (d) *Some* - *are* - *made* - *in* - *it*
- (e) *Some* - *are* - *made* - *in* - *it*

3. Which one of the following will change if the subject immediately before it is a plural noun rather than singular?

- (a) *There* - *is* - *one* - *man*
- (b) *There* - *is* - *it*
- (c) *There* - *is* - *the* - *man*
- (d) *There* - *are* - *one* - *man*

4. Which sentence structure (TSD) best explains the structure of the student's answer to the following question: "What is the answer?"

- (a) *There* - *is* - *it*
- (b) *There* - *is* - *the* - *man*
- (c) *There* - *is* - *one* - *man*
- (d) *There* - *are* - *one* - *man*

5. The sentence is made of three and four syllables. Which is correct?

- (a) *three* - *syllables*
- (b) *four* - *syllables*
- (c) *three* - *syllables*
- (d) *four* - *syllables*

6. Which one of the words in each sentence is stressed?

- (a) *There* - *is* - *one* - *man*
- (b) *There* - *is* - *it*
- (c) *There* - *is* - *the* - *man*
- (d) *There* - *are* - *one* - *man*

7. Which one is correct?

- (a) *There* - *is* - *it*
- (b) *There* - *is* - *the* - *man*
- (c) *There* - *is* - *one* - *man*
- (d) *There* - *are* - *one* - *man*

8. According to the TSD of the following sentence, a candidate for an exam was asked what the answer to the question "What is the answer?" was. Which of the following is the correct answer?

- (a) *There* - *is* - *one* - *man*
- (b) *There* - *is* - *it*
- (c) *There* - *is* - *the* - *man*
- (d) *There* - *are* - *one* - *man*

10. What was the first company to use a space?

- (a) The Boeing Stearman and Douglas C-47 were used as a primary transport for air parcel mail.
- (b) The Douglas C-47 was used as the primary mail carrier for Army Post Offices.
- (c) A Douglas C-47 was used to carry mail from Seattle.
- (d) It was used by United Parcel Corp. of the western United States, which is now UPS.

11. How was the first airmail letter?

- (a) Carried by dog in a pack from St. Paul, Minn. to Chicago.
- (b) In a small bag in the tail of a mail plane to Seattle.
- (c) In a small bag in the tail of a regular mail plane.
- (d) In a paper bag in the tail of a mail plane to Seattle.

12. Why did the first airmail letter become the first airmail letter? The first airmail letter was carried by the first airmail plane to Seattle, Minn. from St. Paul, Minn. in 1911. Why did the first airmail letter become the first airmail letter?

- (a) 1911
- (b) 1912
- (c) 1913
- (d) 1914

13. Why is the first airmail letter of a letter? The first airmail letter of a letter was carried by the first airmail plane in 1911.

- (a) 1911
- (b) 1912
- (c) 1913
- (d) 1914

14. What was the first airmail letter of a letter? The first airmail letter of a letter was carried by the first airmail plane in 1911.

- (a) 1911
- (b) 1912
- (c) 1913
- (d) 1914

15. What was the first airmail letter of a letter? The first airmail letter of a letter was carried by the first airmail plane in 1911.

- (a) 1911
- (b) 1912
- (c) 1913
- (d) 1914

16. What was the first airmail letter of a letter? The first airmail letter of a letter was carried by the first airmail plane in 1911.

- (a) 1911
- (b) 1912
- (c) 1913
- (d) 1914

14. According to the author, what does the author mean by

- (a) "The author's intention is to inform the reader."
- (b) "The author's intention is to entertain the reader."
- (c) "The author's intention is to persuade the reader."
- (d) "The author's intention is to educate the reader."

15. Which of the following is NOT a characteristic of the author?

- (a) "The author is a professional writer."
- (b) "The author is a student."
- (c) "The author is a teacher."
- (d) "The author is a researcher."

16. The author's main purpose is to

- (a) "inform the reader about the author's research."
- (b) "entertain the reader with a story."
- (c) "persuade the reader to take a certain action."
- (d) "educate the reader about a specific topic."

17. According to the author, what is the most important factor in determining the author's style?

- (a) "The author's personality."
- (b) "The author's education."
- (c) "The author's profession."
- (d) "The author's age."

18. Which of the following is NOT a characteristic of the author's writing style?

- (a) "The author's writing is clear and concise."
- (b) "The author's writing is highly detailed and descriptive."
- (c) "The author's writing is often humorous and satirical."
- (d) "The author's writing is usually written in a formal, academic style."

19. What is the author's main argument in the passage?

- (a) "The author argues that the author's style is the most important factor in determining the author's success."
- (b) "The author argues that the author's personality is the most important factor in determining the author's success."
- (c) "The author argues that the author's education is the most important factor in determining the author's success."
- (d) "The author argues that the author's profession is the most important factor in determining the author's success."

20. Which of the following is NOT a characteristic of the author's writing style?

- (a) "The author's writing is often humorous and satirical."
- (b) "The author's writing is highly detailed and descriptive."
- (c) "The author's writing is usually written in a formal, academic style."
- (d) "The author's writing is clear and concise."

21. What is the author's main argument in the passage?

- (a) "The author argues that the author's style is the most important factor in determining the author's success."
- (b) "The author argues that the author's personality is the most important factor in determining the author's success."
- (c) "The author argues that the author's education is the most important factor in determining the author's success."
- (d) "The author argues that the author's profession is the most important factor in determining the author's success."

14. Which way is the following reaction best described? (The following half-reaction is the anode.)

- (a) Oxidation half-reaction (anode)
- (b) Reduction half-reaction (cathode)
- (c) Oxidation half-reaction (cathode)
- (d) Reduction half-reaction (anode)

15. The overall cell reaction for the following cell is

(a) $2\text{Fe} + \text{Cu}^{2+} \rightarrow 2\text{Fe}^{2+} + \text{Cu}$

(b) $\text{Fe} + \text{Cu}^{2+} \rightarrow \text{Fe}^{2+} + \text{Cu}$

(c) $\text{Fe} + \text{Cu} \rightarrow \text{Fe}^{2+} + \text{Cu}^{2+}$

(d) $\text{Fe} + \text{Cu} \rightarrow \text{Fe}^{2+} + \text{Cu}^{2+}$

16. The half-reaction that occurs at the cathode in the following cell is

- (a) $\text{Zn} \rightarrow \text{Zn}^{2+} + 2\text{e}^{-}$
- (b) $\text{Cu}^{2+} + 2\text{e}^{-} \rightarrow \text{Cu}$
- (c) $\text{Zn}^{2+} + 2\text{e}^{-} \rightarrow \text{Zn}$
- (d) $\text{Cu} \rightarrow \text{Cu}^{2+} + 2\text{e}^{-}$

17. How are the ions of the anode compartment of the Daniell cell separated from the ions of the cathode compartment?

- (a) The anions of the anode compartment migrate to the cathode compartment.
- (b) The cations of the anode compartment migrate to the cathode compartment.
- (c) The anions of the cathode compartment migrate to the anode compartment.
- (d) The cations of the cathode compartment migrate to the anode compartment.

18. The overall cell reaction for the following cell is

- (a) $\text{Zn} + \text{Cu}^{2+} \rightarrow \text{Zn}^{2+} + \text{Cu}$
- (b) $\text{Cu} + \text{Zn}^{2+} \rightarrow \text{Cu}^{2+} + \text{Zn}$
- (c) $\text{Zn} + \text{Cu} \rightarrow \text{Zn}^{2+} + \text{Cu}^{2+}$
- (d) $\text{Cu} + \text{Zn} \rightarrow \text{Cu}^{2+} + \text{Zn}^{2+}$

19. The overall cell reaction for the following cell is

- (a) $\text{Zn} + \text{Cu}^{2+} \rightarrow \text{Zn}^{2+} + \text{Cu}$
- (b) $\text{Cu} + \text{Zn}^{2+} \rightarrow \text{Cu}^{2+} + \text{Zn}$
- (c) $\text{Zn} + \text{Cu} \rightarrow \text{Zn}^{2+} + \text{Cu}^{2+}$
- (d) $\text{Cu} + \text{Zn} \rightarrow \text{Cu}^{2+} + \text{Zn}^{2+}$

10. The total cost to the consumer of
 (a) 100 units
 (b) 200 units
 (c) 300 units
 (d) 400 units

11. When a monopolist uses price discrimination to produce total consumer surplus the same as
 (a) demand of the market as a whole
 (b) supply as a whole
 (c) total surplus of the market as a whole
 (d) none of the above

12. The number of units sold to achieve the maximum revenue (TR) is
 (a) 40
 (b) 20
 (c) 10
 (d) 5

13. A monopolist sells at two prices: \$100 and \$40. The total profit is \$1000. The total quantity sold is
 (a) 100
 (b) 200
 (c) 300
 (d) 400

- (a) 100
 (b) 200
 (c) 300
 (d) 400

14. What are the following a list of
 (a) the firm's marginal revenue?
 (b) the firm's marginal cost?
 (c) the firm's marginal profit?
 (d) the firm's marginal loss?

15. What are the following a list of
 (a) the firm's marginal revenue?
 (b) the firm's marginal cost?
 (c) the firm's marginal profit?
 (d) the firm's marginal loss?

16. Which of the following is the
 (a) marginal revenue
 (b) marginal cost
 (c) marginal profit
 (d) marginal loss

22. Which of the following activities is *not* considered to be a form of research?

- (A) Interviewing consumers about their buying behavior
- (B) Analyzing a retailer's sales records
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

23. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

24. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

25. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

26. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

27. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

28. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

29. Which of the following is *not* a form of research?

- (A) Analyzing a retailer's sales records
- (B) Interviewing consumers about their buying behavior
- (C) Examining a retailer's sales records
- (D) Analyzing a retailer's sales records

14. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

- (a) Invalid
- (b) Valid
- (c) Invalid
- (d) Invalid

15. A will of a testator that sets up a trust in the will. The trust is for the benefit of the testator's children. The will is not a will of a testator. What is the effect of the trust?

- (a) Invalid
- (b) Valid
- (c) Invalid
- (d) Invalid

16. What is the effect of a will that sets up a trust for the benefit of the testator's children?

- (a) Invalid, unless the testator is a citizen of the United States
- (b) Invalid, unless the testator is a citizen of the United States
- (c) Invalid, unless the testator is a citizen of the United States
- (d) Invalid, unless the testator is a citizen of the United States

17. A trust is set up in a will. The trust is for the benefit of the testator's children. The will is not a will of a testator. What is the effect of the trust?

- (a) Invalid
- (b) Invalid
- (c) Invalid
- (d) Invalid

18. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

- (a) Invalid
- (b) Invalid
- (c) Invalid
- (d) Invalid

19. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

- (a) Invalid
- (b) Invalid
- (c) Invalid
- (d) Invalid

20. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

- (a) Invalid
- (b) Invalid
- (c) Invalid
- (d) Invalid

21. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

- (a) Invalid
- (b) Invalid
- (c) Invalid
- (d) Invalid

22. What is the effect of the fact that the trustee paid the liability for the beneficiary's medical expenses?

10. Which of the following are the strong acids of the first row?

- (1) Hydrochloric, perchloric and nitric acids only
- (2) Sulfuric, hydrochloric and nitric acids only
- (3) Perchloric, hydrochloric and nitric acids only

How do these acids differ in strength?

- (a) 1 < 2 < 3
- (b) 1 < 3 < 2
- (c) 2 < 1 < 3
- (d) 3 < 1 < 2

11. Fluorine is the least reactive halogen.

- (a) true
- (b) very true
- (c) not true
- (d) extremely true

12. What is the primary reason for the inertness of noble gases?

- (a) their high ionization energy
- (b) their high electron affinity
- (c) their low ionization energy
- (d) their low electron affinity

13. Which of the following is a gas under standard conditions?

- (a) boron
- (b) sulfur dioxide
- (c) carbon dioxide
- (d) phosphorus

14. Which of the following is a gas under standard conditions?

- (a) bromine
- (b) chlorine
- (c) iodine
- (d) sulfur

15. What is the atomic number of a noble gas with 2 valence electrons?

- (a) 10
- (b) 18
- (c) 36
- (d) 54

16. Which one of the following is not a noble gas?

- (a) neon
- (b) argon
- (c) krypton
- (d) helium

18. The average molecular weight of a polymer is 25,000 and its degree of substitution is 0.75.

- (a) 400
- (b) 500
- (c) 600
- (d) 700

19. If a copolymer contains 60% by weight of the smaller monomer, its number-average molecular weight will be the same as the number-average

- (a) 1.00
- (b) 1.10
- (c) 1.20
- (d) 1.30

20. According to the group-contribution method, the heat of the vaporization of benzene is approximately

- (a) 10 kcal
- (b) 15 kcal
- (c) 20 kcal
- (d) 25 kcal

21. Which one of the following is an example of a polymer?

- (a) Iron chloride
- (b) Iron pyrophosphate
- (c) Nitrous oxide
- (d) Nitrous oxide dimer

22. Which one of the following processes is not well suited to the synthesis of polyethylene terephthalate?

- (a) The presence of a smaller size production of an excess of the smaller monomer to overcome the volatility of ethylene terephthalate
- (b) Use of a feed in which the monomers are in a molar ratio of 1:1
- (c) The presence of a higher level of ethylene terephthalate in the feed to overcome the volatility of ethylene terephthalate
- (d) The presence of a higher level of ethylene terephthalate in the feed to overcome the volatility of ethylene terephthalate

23. The heat of the vaporization of benzene is approximately

- (a) 10 kcal
- (b) 15 kcal
- (c) 20 kcal
- (d) 25 kcal

46. What are all the following true for the initial terms of the binomial expansion of $(1+x)^n$?

- (a) Even exponents
- (b) Odd exponents
- (c) Even exponents
- (d) Even exponents
- (e) Even exponents

47. Consider the following series

- 1. Expansion of $\ln(x+1)$ about $x=0$
- 2. Expansion of $\ln(x-1)$ about $x=0$
- 3. Expansion of $\ln(x+1)$ about $x=1$
- 4. Expansion of $\ln(x-1)$ about $x=1$

Which of the following is the correct arrangement order of the series?

- (a) 1, 2, 3, 4
- (b) 2, 3, 4, 1
- (c) 3, 4, 1, 2
- (d) 4, 3, 1, 2

48. What of the following are true for the series of binomial expansion of $(1+x)^n$?

- 1. Higher exponents are first in the list
- 2. Even exponents are first
- 3. The constant term is first in the expansion for even values of n for odd values of n the constant term is not there

Which of the following are true for the series of binomial expansion of $(1+x)^n$?

- (a) 1, 2, 3, 4
- (b) 2, 3, 4, 1
- (c) 3, 4, 1, 2
- (d) 4, 3, 1, 2

49. What are true?

- 1. Expansion of $\ln(x+1)$ about $x=0$
- 2. Expansion of $\ln(x-1)$ about $x=0$
- 3. Expansion of $\ln(x+1)$ about $x=1$
- 4. Expansion of $\ln(x-1)$ about $x=1$

50. A binomial series of $(1+x)^n$ contains 10 terms. For

- (a) values of n are odd or even
- (b) values of n are even
- (c) values of n are odd
- (d) values of n are even or odd
- (e) values of n are odd

51. What are all the following true for the series of $(1+x)^n$?

- (a) 1, 2, 3, 4
- (b) 2, 3, 4, 1
- (c) 3, 4, 1, 2
- (d) 4, 3, 1, 2

46. The conventional method to fill in a gap in a sentence is to use the empty space to

- (1) add text
- (2) remove text
- (3) change text
- (4) delete text

47. Study one of the following phrases and choose the correct one:

- (1) I believe
- (2) I believe
- (3) I believe
- (4) I believe

48. The correct answer to the question is

- (1) Answer
- (2) Answer
- (3) Answer
- (4) Answer

49. What is the meaning of the word 'study'?

- (1) Study
- (2) Study
- (3) Study
- (4) Study

50. What is the meaning of the word 'study'?

- (1) Study
- (2) Study
- (3) Study
- (4) Study

51. What is the meaning of the word 'study'?

- (1) Study
- (2) Study
- (3) Study
- (4) Study

52. What is the meaning of the word 'study'?

- (1) Study
- (2) Study
- (3) Study
- (4) Study

53. What is the meaning of the word 'study'?

- (1) Study
- (2) Study
- (3) Study
- (4) Study

16. Which one of the following is the same as one of the products of the reaction of hydrogen with iron?

(A) H_2O (B) Fe_2O_3 (C) Fe_3O_4 (D) FeO

(E) Fe_2SO_4 (F) H_2SO_4 (G) FeSO_4

(H) Fe_2S_3 (I) H_2S (J) FeS

(K) Fe_2S_2 (L) H_2SO_3 (M) Fe_2SO_3

17. If a metal is being formed in the electrolysis of a fused compound and a metal ion is present, which of the following is the most likely metal?

(A) Sodium

(B) Calcium

(C) Silver

(D) Iron

18. When the following hydrocarbon is completely burned, 100 g of CO_2 and 100 g of H_2O are produced. The hydrocarbon is most likely which of the following? (Assume that the hydrocarbon is completely burned and that the oxygen is in excess.)

(A) C_2H_6

(B) C_2H_4

(C) C_2H_2

(D) C_3H_8

19. A substance of formula $\text{C}_2\text{H}_6\text{O}$ and a substance of formula $\text{C}_2\text{H}_4\text{O}$ are both liquids at room temperature. Which of the following is the most likely formula for the substance of formula $\text{C}_2\text{H}_6\text{O}$?

(A) $\text{C}_2\text{H}_5\text{OH}$

(B) $\text{C}_2\text{H}_4\text{O}_2$

(C) $\text{C}_2\text{H}_6\text{O}_2$

(D) $\text{C}_2\text{H}_4\text{O}$

20. If a certain amount of CaCl_2 is added to a solution of Na_2CO_3 , which of the following is the most likely product?

(A) CaCO_3

(B) CaO

(C) CaH_2

(D) Ca(OH)_2

21. If the mass of a substance is 100 g and its volume is 100 mL, which of the following is the most likely substance?

(A) Iron

(B) Silver

(C) Aluminum

(D) Lead

22. Which of the following is the most likely formula for a substance that is a liquid at room temperature and has a boiling point of 100°C ?

(A) H_2O

(B) H_2O_2

(C) H_2S

(D) H_2SO_4

41. If the amount of a loan is constant at 10% and the borrower is allowed to pay the interest before $\frac{1}{2}$ of the loan is repaid, then:

- (a) \downarrow
- (b) \uparrow
- (c) \downarrow
- (d) \uparrow

42. Which one among the following is NOT an essential part of Project?

- (a) Investment in the form of assets, etc.
- (b) Expenses to office rental
- (c) Purchase of plant and equipment
- (d) There is the capital and a part is utilized as profit

43. Which one of the following does NOT fit with the definition of the term "cost"?

- (a) Investment of firm in plant and machinery, etc. made in the form of cash
- (b) The price of goods and services bought from a seller
- (c) The financial loss or expense incurred at least 10%
- (d) Investment of funds in the form of cash

44. The term "cost" is used to describe that amount of material which the producer is a provider of which one of the following is the correct answer?

- (a) Various elements of the cost
- (b) Total cost
- (c) Total variable cost
- (d) None

45. Which one of the following is NOT a "cost" according to the definition?

- (a) Manager's salary
- (b) Total fixed cost
- (c) Total variable
- (d) Total cost

46. Which of the following statements does NOT fit with the definition of the term "cost"?

- (a) The firm has to incur a loss in order to produce a product
- (b) The firm has to incur a loss in order to produce a product
- (c) The firm has to incur a loss in order to produce a product
- (d) The firm has to incur a loss in order to produce a product

Which of the following is NOT a "cost" according to the definition?

- (a) 10%
- (b) 20%
- (c) 30%
- (d) 40%

80. Why do we identify ourselves with Freud's theory of personality?

- 1. It set the standard to which we refer
- 2. It was used to formulate
- 3. It is used to measure
- 4. It is the only theory to have been

used to define normal and abnormal personality

- 5. 1, 2, 3, 4
- 6. 1, 2, 3, 4, 5
- 7. 1, 2, 4, 5
- 8. 1, 3, 4, 5

81. Why do we identify ourselves with Freud's theory of personality?

- 1. The nature of evidence of the theory supports Freud's theory
- 2. The nature of evidence of Freud's theory is limited
- 3. The theory is based on the fact that we do not know the mind
- 4. The theory is based on the fact that we do not know the mind

82. Why do we identify ourselves with Freud's theory of personality?

- 1. It is a theory of the mind
- 2. It is a theory of the mind
- 3. It is a theory of the mind
- 4. It is a theory of the mind

83. Why do we identify ourselves with Freud's theory of personality?

- 1. It is the only theory to have been
- 2. It is the only theory to have been
- 3. It is the only theory to have been
- 4. It is the only theory to have been

used to define normal and abnormal personality

- 5. 1, 2, 3, 4
- 6. 1, 2, 3, 4
- 7. 1, 2, 4, 5
- 8. 1, 2, 3, 4

84. Why do we identify ourselves with Freud's theory of personality?

- 1. The nature of evidence of the theory supports Freud's theory
- 2. The nature of evidence of Freud's theory is limited
- 3. The theory is based on the fact that we do not know the mind
- 4. The theory is based on the fact that we do not know the mind

85. Why do we identify ourselves with Freud's theory of personality?

- 1. It is a theory of the mind
- 2. It is a theory of the mind
- 3. It is a theory of the mind
- 4. It is a theory of the mind

8. Which one of the following does NOT fit a description of a good business plan?

- (A) It is a blueprint that sets the tone.
- (B) It establishes how well a company will perform after it has reached target sales.
- (C) It gives ideas on where to go.
- (D) It is a road map that sets the course.

9. Which is

- 1. a good idea
- 2. a good idea
- 3. a good idea
- 4. a good idea

10. The most common way to measure success

(A) 100%

(B) 100% (C)

(C) 100%

(D) 2,100%

11. The most common way to measure success

(A) 100%

(B) 100% (C)

(C) 100%

(D) 2,100%

12. Which one of the following is NOT a description of a good business plan?

- (A) It is a blueprint that sets the tone.
- (B) It establishes how well a company will perform after it has reached target sales.
- (C) It gives ideas on where to go.
- (D) It is a road map that sets the course.

13. Which is

- (A) a good idea
- (B) a good idea
- (C) a good idea
- (D) a good idea

14. The most common way to measure success

(A) 100%

(B) 100% (C)

(C) 100%

(D) 2,100%

102. The ending balance on P175, a cash loan 25% of the value of the car, for 2019 was:

- a. 0
- b. 30
- c. 40
- d. 50
- e. 60

103. The year-end of the year 2012, 2013, 2014, 2015, _____.

- a. 2016
- b. 2017
- c. 2018
- d. 2019

104. The cash balance was increased by 200 thousand (initially 1000).

- a. 0
- b. 10
- c. 20
- d. 30

105. There are 1000 of two-digit numbers all added. The initial balance of 10, the result will be equal to:

- a. 101
- b. 10
- c. 21
- d. 30

106. A 1000 is given to get 1000, the total is 1000?

- a. 2
- b. 1
- c. 0
- d. -1

107. What is the meaning of the word "equation" in a sense of a number in a number of these terms?

- a. A number that can be used to be applied to all.
- b. A number that can be used to be applied to all.
- c. A number that can be used to be applied to all.
- d. A number that can be used to be applied to all.

What is the word "equation" in a sense of a number in a number of these terms?

- a. 1000
- b. 1000
- c. 1000
- d. 1000

108. What is the word "equation" in a sense of a number in a number of these terms?

- a. 1000
- b. 1000
- c. 1000
- d. 1000

14. The total number of employees in the company is:

- (A) 100
- (B) 120
- (C) 140
- (D) 160
- (E) 180

15. The average salary of the employees in the company is:

- (A) \$10,000
- (B) \$12,000
- (C) \$14,000
- (D) \$16,000
- (E) \$18,000

16. The total number of employees in the company is:

- (A) 100
- (B) 120
- (C) 140
- (D) 160
- (E) 180

17. The total number of employees in the company is:

- (A) 100
- (B) 120
- (C) 140
- (D) 160
- (E) 180

18. The total number of employees in the company is:

- (A) 100
- (B) 120
- (C) 140
- (D) 160
- (E) 180

19. The total number of employees in the company is:

- (A) 100
- (B) 120
- (C) 140
- (D) 160
- (E) 180

	(A)	(B)	(C)	(D)	(E)
17.	100	120	140	160	180
18.	100	120	140	160	180
19.	100	120	140	160	180

14. Study the following map and answer the questions using the map grid below for 10 marks.

15. Write the following in your notebook.
- What is the capital of India?
 - Name the largest city of India.
 - Name the largest island of India.
 - Name the largest state of India.



Lat	Long	Lat	Long	Lat	Long
20° N	75° E	20° N	85° E	20° N	95° E
30° N	75° E	30° N	85° E	30° N	95° E
40° N	75° E	40° N	85° E	40° N	95° E
50° N	75° E	50° N	85° E	50° N	95° E

16. Write the following in your notebook for 10 marks.

- What is the capital of India?
- Name the largest city of India.
- Name the largest island of India.
- Name the largest state of India.

17. Complete the following map for 10 marks.

18. Write the following in your notebook.
- Name the largest island of India.
 - Name the largest state of India.
 - Name the largest city of India.
 - Name the capital of India.

16. Choose the correct type:



What is the angle subtended by the angle at the center?

- (A) 40°
- (B) 60°
- (C) 120°
- (D) 180°

17. Which of the following statements about the two lines, which intersect at one of the following angles?

- (1) The two lines are perpendicular to each other.
- (2) Vertical angles are equal.
- (3) The adjacent angles are supplementary.
- (4) The two lines are parallel.

What is the angle subtended by the two lines?

- (A) 180°
- (B) 120°
- (C) 90°
- (D) 60°

18. Which of the following statements about vertical angles is true?

- (1) They are always equal.
- (2) They are always supplementary.
- (3) They are always adjacent.
- (4) They are always vertical.

What is the angle subtended by the two lines?

- (A) 180°
- (B) 120°
- (C) 90°
- (D) 60°

19. Which of the following statements about vertical angles is true?

- (1) They are always equal.
- (2) They are always supplementary.
- (3) They are always adjacent.
- (4) They are always vertical.

What is the angle subtended by the two lines?

- (A) 180°
- (B) 120°
- (C) 90°
- (D) 60°

22. Based on the information provided, how many miles did the car travel from 10:00 a.m. to 11:00 a.m.?

Fig. 1
 Speed of
 30 mph

10:00 a.m.

10:30 a.m.

11:00 a.m.

0 10 20 30

mph



23. What was the total amount of the fine paid by John Marino in the telephone accident shown?

- (A) Twenty-five
- (B) Thirty-five
- (C) Forty-five
- (D) Fifty-five

24. The total cost of a certain 2000 car is more than twice that of a certain 1990 car. If the difference between the prices of the two cars is \$10,000, what is the price of the 1990 car?

- (A) \$10,000
- (B) \$15,000
- (C) \$20,000
- (D) \$25,000
- (E) \$30,000

25. What was the average number of miles that the car traveled from 10:00 a.m. to 11:00 a.m.?

- (A) 20 miles
- (B) 25 miles
- (C) 30 miles
- (D) 35 miles
- (E) 40 miles

26. The value of the sum of money earned by KIMMY in the bank during the year is

- (A) \$100
- (B) \$200
- (C) \$300
- (D) \$400
- (E) \$500

27. How many dollars did the car cost if the car costs \$ more than the amount?

- (A) \$100
- (B) \$200
- (C) \$300
- (D) \$400
- (E) \$500

1. Which one of the following statements best describes the relationship between the variables of speed v and displacement x ?

- (A) The gradient always equals acceleration.
- (B) The gradient can be used to calculate the velocity of the object.
- (C) The initial slope equals the initial velocity and the gradient is the acceleration.
- (D) Acceleration is the area of the graph for the v - x plot.

2. The graph below has gradient g at the point P .

- (A) $2g$
- (B) $3g$
- (C) $4g$
- (D) $5g$

3. Which one of the following statements regarding energy is correct?

- (A) Kinetic energy is the product of mass m and the square of the velocity v , i.e. $\frac{1}{2}mv^2$.
- (B) Kinetic energy is the product of mass m and the velocity v , i.e. mv .
- (C) The total kinetic energy of an object is the sum of the kinetic energies of all the particles in it.
- (D) Energy is the ability to do work.

4. Which one of the following statements regarding energy is correct?

- (A) All the kinetic energy of a moving object becomes potential energy.
- (B) All the energy between moving objects is potential energy.
- (C) There is no potential energy in a body between two points but the potential of a body.
- (D) The kinetic energy of a body increases when the potential energy of the body decreases.

5. The area under the curve in the graph represents which one of the following?

- (A) Acceleration
- (B) Velocity
- (C) Displacement
- (D) Distance

6. Which one of the following statements concerning the graph below is correct?

- (A) The area under the graph is zero.
- (B) The line for 200 gives a constant acceleration as the object is going in the opposite direction to the start.
- (C) The object is accelerated in the first 10 seconds.
- (D) The object is accelerated in the last 10 seconds.

1. Mergers include:

- (a) Reverse a merger (right to sue)
- (b) purchase of equity
- (c) combination of identical stock of two firms
- (d) purchase of assets

2. Which one of the following is **not** a form of MTA (merger tool)?

- (a) Exchange of shares
- (b) Share-for-share exchange (swap)
- (c) Share-for-cash exchange
- (d) Share-for-stock exchange

3. Which one of the following is **not** a form of MTA (merger tool)?

- (a) Stock-for-stock exchange
- (b) Share-for-cash exchange
- (c) Share-for-stock exchange
- (d) Share-for-cash exchange
- (e) Share-for-stock exchange

4. Which one of the following is **not** a form of MTA (merger tool)?

- (a) Share
- (b) Cash
- (c) Stock
- (d) None

5. Which one of the following is **not** a form of MTA (merger tool)?

- (a) Share
- (b) Cash
- (c) Stock
- (d) None

6. Which one of the following is **not** a form of MTA (merger tool)?

- (a) Share
- (b) Cash
- (c) Stock
- (d) None

7. The primary motivation for MTA is:

- (a) MTA only
- (b) MTA and Cash
- (c) MTA and Stock
- (d) MTA and None

16. A student of the following period, would you find an entry with a literary systematic explanation very much a few words long?

- (A) Vedic
- (B) Rigvedic
- (C) Upanish
- (D) Smritis

17. Every sentence is based upon, in what part of grammar is it?

- (A) Sandhi
- (B) Sandhi
- (C) Sandhi
- (D) Sandhi

18. A word may be formed with a vowel which is not of its own in any of the following?

- (A) Sanskrit
- (B) Hindi
- (C) Urdu
- (D) Persian

19. A word may, under certain conditions, have the same form as another word with an identical base.

- (A) all words of the same class
- (B) words of the same class
- (C) words of the same class
- (D) words of the same class

20. A word may, in the following, be the same form as another?

- (A) Sanskrit
- (B) Hindi
- (C) Urdu
- (D) Persian

21. A word may, in the following, be the same form as another?

- (A) Sanskrit
- (B) Hindi
- (C) Urdu
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24. A word may, in the following, be the same form as another?

- (A) Sanskrit
- (B) Hindi
- (C) Urdu
- (D) Persian

22. Which has a maximum of 40 classes in the 10000 series?

- (a) Insurance only
- (b) Finance only
- (c) Goods only
- (d) Transport, Finance and Goods

23. Which one of the following business activities will allow a BPO to work?

- (a) Make Goods ordered by Retail Store at Point of purchase (business-to-retail)
- (b) Sell and lease, lease to a reseller (business to reseller) and retail (business to consumer)
- (c) Sell to reseller (e.g., for business) and direct to consumer (business to consumer) or business to business (business to business)
- (d) Sell to reseller of consumer goods (e.g. groceries) to the reseller of consumer goods

24. The nature of a contract is not a physical or the quality of an item.

25. Which one of the following is the most popular type of trade show?

- (a) FFA
- (b) BFA
- (c) CFA
- (d) SFA

26. Which one of the following is NOT a characteristic of a commodity?

- (a) Uniform
- (b) Rare
- (c) Standard
- (d) Fungible

27. Which one of the following is NOT a characteristic of a commodity?

- (a) Uniform
- (b) Rare
- (c) Standard
- (d) Fungible

28. In which one of the following is a commodity not a physical?

- (a) Wheat
- (b) Cotton
- (c) Copper
- (d) An option contract

29. The formation, the work and the responsibility of a team

- (a) work and team membership
- (b) work and team membership
- (c) work and team membership
- (d) formation, work and team membership

13. Which one of the following reactions is correct?

- (a) Chloroform reacts with O_2 to give COCl_2 and HCl in the presence of light
- (b) Chloroform does not react with O_2 and water in the absence of light
- (c) Chloroform does not react with O_2 and water in the presence of light
- (d) Chloroform reacts with O_2 and water in the presence of light

14. Which one of the following steps is the rate determining step in the reaction of NO_2 with CO to form NO and CO_2 ?

- (a) $\text{CO} + \text{NO}_2 \rightarrow \text{CO}_2 + \text{NO}$
- (b) $\text{NO}_2 \rightarrow \text{NO} + \text{O}$
- (c) $\text{NO} + \text{O} \rightarrow \text{NO}_2$
- (d) $\text{CO} + \text{O} \rightarrow \text{CO}_2$

15. According to Arrhenius equation for the reaction $\text{NO}_2 \rightarrow \text{NO} + \text{O}$

- (a) $\log k$ vs $1/T$ is a straight line
- (b) $\log k$ vs $1/T$ is a curve
- (c) $\log k$ vs $1/T$ is a curve
- (d) $\log k$ vs $1/T$ is a straight line

16. Average rate of reaction for the reaction

- (a) $2\text{NO}_2 \rightarrow \text{N}_2\text{O}_4$
- (b) $2\text{NO}_2 \rightarrow \text{N}_2\text{O}_4$
- (c) $2\text{NO}_2 \rightarrow \text{N}_2\text{O}_4$
- (d) $2\text{NO}_2 \rightarrow \text{N}_2\text{O}_4$

17. Which one of the following steps are applied to measure k_{obs} when the rate of reaction is measured at different initial concentrations of NO_2 and CO at constant temperature?

- (a) NO_2 fixed
- (b) CO fixed
- (c) NO_2 varied
- (d) CO varied

18. Which one of the following is the correct condition to be used for the reaction of NO_2 with CO ?

- (a) Excess NO_2 and excess CO
- (b) Excess NO_2
- (c) Excess CO
- (d) Excess NO_2 and excess CO

19. What is known as NO_2^+ ?

- (a) Nitron, Nitron and Nitronium ion
- (b) Nitron, Nitron and Nitronium ion
- (c) Nitron, Nitron and Nitronium ion
- (d) Nitron, Nitron and Nitronium ion

20. Which one of the following is the correct step in the reaction of NO_2 with CO ?

- (a) NO_2
- (b) NO_2
- (c) NO_2
- (d) NO_2

13. Which of the following is not a characteristic of the

- (a) Indian Army
- (b) Indian Navy
- (c) Indian Air Force
- (d) Indian Army and Indian Navy together

14. Which one among the following is the appropriate title of "Wings of a Butterfly" of Jhansi in the novel "Jhansi Queen"?

- (a) Lakshmi
- (b) Laxmi
- (c) Lakshmi Devi
- (d) Laxmi

15. What is the territorial boundary of Lakshadweep? It is the only island of Lakshadweep which is the part of the zone in general "territoriality" of India's jurisdiction.

- (a) 100 miles
- (b) 120 miles
- (c) 125 miles
- (d) 128 miles

16. Which one of the following is not the reason for the name 'Vandana' in the course that commemorates the life of the Bengali poet, Rabindranath Tagore?

- (a) Bengali
- (b) Indian

(c) Indian

(d) India

17. Which of the following is not a characteristic of the

- (a) Lakshadweep Islands
- (b) Lakshadweep Islands
- (c) Lakshadweep Islands
- (d) Lakshadweep Islands

18. A long narrow island of Lakshadweep which is not attached to the mainland is called

- (a) Island
- (b) Island
- (c) Island
- (d) Island

19. Which one of the following is not a characteristic of the Lakshadweep Islands?

- (a) The people speak Malayalam
- (b) They speak Malayalam
- (c) They speak Malayalam
- (d) They speak Malayalam

48. Which word has the following meaning: "able to learn from past events?"

- (A) Inquisitive
- (B) Inexplicable
- (C) Inevitable
- (D) Infallible

Word Central will be using vocabulary like:

- (A) Inquisitive
- (B) Inexplicable
- (C) Inevitable
- (D) Infallible

49. Which word is the opposite of "to be in a state of confusion?"

- (A) Confused
- (B) Disoriented
- (C) Disoriented
- (D) Disoriented

50. Which word is the opposite of "to be in a state of confusion?"

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- (C) Disoriented
- (D) Disoriented

51. Which of the following is the opposite of "to be in a state of confusion?"

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- (C) Disoriented
- (D) Disoriented

Word Central will be using vocabulary like:

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- (B) Disoriented
- (C) Disoriented
- (D) Disoriented

52. Which of the following is the opposite of "to be in a state of confusion?"

- (A) Confused
- (B) Disoriented
- (C) Disoriented
- (D) Disoriented

10. Which of the following genes are located on chromosome 10q24.3?

- 1. PML
- 2. Fbx1
- 3. MDM2
- 4. NPM

(Select all that apply.)

- A. 1, 2 and 3
- B. 1, 2 and 4
- C. 1, 3 and 4
- D. 1, 2 and 4

11. In which of the following genes has a coding sequence of that gene been identified in cells of the human brain (PML)?

- 1. nuclear PML
- 2. PML-1
- 3. NPM
- 4. MDM2

(Select all that apply.)

- A. 1, 2 and 3
- B. 1, 2 and 4
- C. 1 and 2
- D. 1 and 3

12. Which of the following is/are not standard members of the Group 13/14s?

- 1. NPM
- 2. PML
- 3. MDM2
- 4. Fbx1

(Select all that apply.)

- A. 1 and 2
- B. 1 and 3
- C. 1, 2 and 4
- D. 1, 2 and 3

13. Which one of the following is NOT found in one of the main subgroups of the promyelocytic series?

- A. NPM
- B. PML
- C. MDM2
- D. Fbx1

14. Which of the following are present in the form of fusion proteins in MDS (MDS1)?

- 1. NPM
- 2. Fbx1

(Select all that apply.)

- A. 1 and 2
- B. 1
- C. 2
- D. 1 and 2

14. Which of the following answers is incorrect?

1. The Government owns and operates the water supply and sewerage.
2. The Government worked on small business life.

What is the correct answer for the question?

- (a) 1 and 2
- (b) 2 only
- (c) 2 and 3
- (d) Neither 1 nor 2

15. It is stated in the Economic Survey conducted by the Government of India, which year of the Economy is 5.0% year?

- (a) The performance index was not included a part of the Economic Survey
- (b) It indicates price stability and there is no inflation or deflation
- (c) They are not a desirable condition
- (d) They may not be used for forecasting sustainability of price

16. The Governor of a state has certain powers in respect of

1. as an ex-officio member of the Council of Ministers
2. the Constitution requires that he is not to be held responsible in council matters.
3. he can also be regarded as the 'father-in-law' of the ruling party.

What is the correct answer for the question?

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

17. Which one of the following is NOT one of the duties?

- (a) Defining and protecting the limits of water resources
- (b) It includes the security of resources
- (c) Ensuring that water is available to every one in the world
- (d) It includes the water quality and it includes the water quantity

33. Which law of rationality and order in nature applies only to one of the following?

- | | |
|---------------------------------|-------------------------------------------|
| (a) Newton's Law of Gravity | (b) Kepler's Law of Planetary Motion |
| (c) Boyle's Law of Gases | (d) Ohm's Law of Electricity |
| (e) Coulomb's Law of Attraction | (f) Hooke's Law of Elasticity |
| (g) Pascal's Law of Fluids | (h) Bernoulli's Law of Fluids |
| (i) Archimedes' Law of Buoyancy | (j) Newton's Law of Cooling |
| (k) Newton's Law of Viscosity | (l) Newton's Law of Universal Gravitation |

34. The

- | | | | | |
|-----|---|---|---|---|
| | a | b | c | d |
| (a) | + | + | - | - |
| (b) | + | - | - | - |
| (c) | - | - | + | + |
| (d) | - | - | + | + |

35. Which one of the following is not a part of the Federal Reserve System (FRS)?

- (a) Federal Reserve Bank
 (b) Federal Reserve Board
 (c) Federal Reserve System
 (d) Federal Reserve Act

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- (a) Federal Reserve Bank
 (b) Federal Reserve Board
 (c) Federal Reserve System
 (d) Federal Reserve Act

42. Which of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Application and filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

43. Which of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

44. The primary reason for maintaining records of employees' compensation is

- (1) Accounting
- (2) New reports
- (3) New financing
- (4) None

45. Which one of the following is NOT a function of the auditor?

- (1) None
- (2) None
- (3) None
- (4) None

46. Which of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Application and filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

47. Which one of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

48. Which one of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Application and filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

49. Which one of the following would constitute a major part of the maintenance of good quality of accountants' books in view of the following facts?

- (1) Application and filing of returns
- (2) Receipt of returns
- (3) Information given
- (4) Information concerning returns

79. Which one of the following statements only apply to General Motors as a U.S. citizen?

- (A) A new U.S. law is enacted to apply.
- (B) The Corporation is not a U.S. citizen and not to be taxed.
- (C) It may also be taxed upon the return of the Corporation to U.S.
- (D) The Supreme Court makes the rules in U.S.

80. Which one of the following is NOT a usual feature of a foreign CIT?

- (A) It can be levied only in the last state.
- (B) A foreign source of income is exempt from U.S. tax at all of the states during year.
- (C) A foreign source of income is exempt from U.S. tax at all of the states during year.
- (D) It can be levied in a just portion of the tax base.

81. The law of domicile is applied to:

- (A) legal persons to be levied with respect to personal property.
- (B) the real estate located in a portion of the state.
- (C) liability of persons to contribute to the state's general fund.

Under the domicile concept for citizenship:

- (A) U.S. citizen.
- (B) U.S. citizen.

- (C) U.S. citizen.
- (D) U.S. citizen.

82. Which one of the following statements does the Internal Revenue Code as a U.S. citizen?

- (A) The person need be qualified to be qualified as a citizen of the United States.
- (B) Birth in any part of the United States only in the United States and the United States.
- (C) Birth in any other state in the United States.
- (D) Birth in any other state in the United States.

83. Which of the following is incorrect in relation to the Problem?

- (A) The tax liability is not levied on the person who is the source of the income.
- (B) A tax on the source of the income is levied on the person who is the source of the income.
- (C) A tax on the source of the income is levied on the person who is the source of the income.
- (D) A tax on the source of the income is levied on the person who is the source of the income.

84. Which of the following is incorrect in relation to the Problem?

- (A) U.S. citizen.
- (B) U.S. citizen.
- (C) U.S. citizen.
- (D) U.S. citizen.

18. Which one of the following statements does the Pöhl-Mansholt report (1970) refer to?

- (a) The Common Organisation of the Markets (COM) will be abolished
- (b) Agricultural production will be controlled by the Community
- (c) The Common Organisation of the Markets will be abolished
- (d) The Common Organisation of the Markets will be controlled by the Community

19. According to the Commission, the role of the Community is:

- (a) to develop
- (b) to control
- (c) to coordinate
- (d) to coordinate

20. Which one of the following is the correct description of the Common Market?

- (a) A free market in Europe
- (b) The free market in Europe
- (c) The market of the Community
- (d) A market in Europe

21. Which one of the following is the correct description of the Common Market?

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

22. Which one of the following is the correct description of the Common Market?

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

23. Which one of the following is the correct description of the Common Market?

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

24. Which one of the following is the correct description of the Common Market?

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

- (a) The free market in Europe
- (b) The free market in Europe
- (c) The free market in Europe
- (d) The free market in Europe

14. In the presence of the conditions of Article 101, are the following a cartel?

- (a) Two producers for the same or similar goods enter a cartel under the following conditions:
- (b) Two producers for like goods determine the price to be charged for a certain article in their own territory.
- (c) A higher or lower price for the same item by different dealers is notified by both of the said producers as an agreed price of the article.
- (d) Two firms negotiate an agreement to supply each other with raw material.

15. What of the following constitutes a cartel under the law of the United States?

- 1. Two or more other than two individuals engaged in the same business, the highest only price to be charged.
- 2. Two or more other than two individuals engaged in the same business, the lowest only price to be charged.
- 3. A business engaged by two or more of the same persons and having a right to be granted by the public in order to sell within the United States.

What is the correct answer to the first question above?

- (a) 1, 2 and 3
- (b) 1 and 2 only

- (c) 1 and 3 only
- (d) 1 only

16. Which of the following constitutes a cartel under the law of the United States?

- 1. Two or more persons who are engaged in the same business, the highest only price to be charged.
- 2. Two or more persons who are engaged in the same business, the lowest only price to be charged.

What is the correct answer to the second question above?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2
- (d) Neither 1 nor 2

17. What is the correct answer to the question above if the law of the United States is applied?

(a)	(b)
lowest only price to be charged	highest only price to be charged
1, 2 and 3	1 only
2 only	1 and 2
3 only	1 and 3
1, 2 and 3	1, 2 and 3

What

(a)	(b)	(c)	(d)
1 and 2	1	2	3
1 and 3	1	2	3
1 and 2	1	2	3
1 and 3	1	2	3

8. **MARSHALL**, a Texas Corporation, claims to own:

- (A) one-half and owner to whom given title of high-fructose corn
- (B) ownership share of very famous wine and aged whiskey cell
- (C) ownership, not ownership interest, in good vineyard
- (D) ownership interest in valuable distribution of the party

9. **Dr. Campbell**, owner of high-tech, is a party to whom is:

- (A) under the party from given and is within the party among the other party
- (B) under, required with the case of the Corporation in the party theory
- (C) under the party among and under to under the party from the party
- (D) under the party among of ownership by ownership, for the party to the party

10. **Equation** case of which owner requires remedy for ownership interest, for which and different. All statements are true or:

- (A) original owner
- (B) owner
- (C) original owner
- (D) none

11. **Equation** the following statement are true or:

- 1. I am not a party
- 2. I am not a party of ownership of the party of the party of the party
- 3. I am not a party of the party of the party of the party
- 4. I am not a party of the party of the party of the party
- 5. I am not a party of the party of the party of the party
- 6. I am not a party of the party of the party of the party
- 7. I am not a party of the party of the party of the party
- 8. I am not a party of the party of the party of the party
- 9. I am not a party of the party of the party of the party
- 10. I am not a party of the party of the party of the party

12. **Which** of the following statements that is a party of the party of the party of the party?

- 13. I am not a party of the party of the party of the party
- 14. I am not a party of the party of the party of the party
- 15. I am not a party of the party of the party of the party
- 16. I am not a party of the party of the party of the party
- 17. I am not a party of the party of the party of the party
- 18. I am not a party of the party of the party of the party
- 19. I am not a party of the party of the party of the party
- 20. I am not a party of the party of the party of the party
- 21. I am not a party of the party of the party of the party
- 22. I am not a party of the party of the party of the party

8. Which one is the father of

- (1) Individualism.
- (2) Socialism.
- (3) Capitalism.

Give the correct answer only, for one
question.

- (4) Law.
- (5) Individuality.
- (6) Capitalism.
- (7) Individuality.

9. The study of the history of the
nation, its development, growth and
decline is called history. Which is the
correct statement of the following?
(1) It is the study of the past.

- (2) It is the study of the past and
present.
- (3) It is the study of the past and
future.
- (4) It is the study of the past and
present.
- (5) It is the study of the past and
future.

10. According to the following
statements, which one is correct?
(1) The study of the history of the
nation is the study of the past.

- (2) It is the study of the past and
present.
- (3) It is the study of the past and
future.
- (4) It is the study of the past and
present.

11. Which one is the father of the
individualism? (1) Socialism.

(2) Capitalism.

(3) Law.

(4) Individuality.

(5) Individualism.

12. Which one is the father of the
individualism? (1) Socialism.

(2) Capitalism.

(3) Law.

(4) Individuality.

(5) Individualism.

(6) Law.

(7) Individuality.

(8) Individualism.

(9) Individuality.

81. Who signed the final of the United States Constitution, which of the following accurately describes it?

- (a) Final of Constitution is drawn from the original copy sent
- (b) Final of Constitution is written by different political parties and approved by James Madison
- (c) Final of Constitution was written by Madison and one of his partners and the New York State Senate and House of Representatives

What is the correct year of the Constitution?

- (a) 1787
- (b) 1789
- (c) 1791
- (d) 1793
- (e) 1795

82. Which one of the following is not a part of the Constitution?

- (a) Preamble is a part of the Constitution
- (b) Chapter system is part of the Constitution
- (c) Article on presidential term is part of the Constitution
- (d) All of the above are part of the Constitution

83. Which one of the following is not a part of the Constitution?

- (a) Article on presidential term is part of the Constitution
- (b) Chapter system is part of the Constitution
- (c) Article on presidential term is part of the Constitution
- (d) All of the above are part of the Constitution
- (e) None of the above are part of the Constitution

84. Which one of the following is not a part of the Constitution?

- (a) Preamble
- (b) Article on presidential term
- (c) Chapter system
- (d) Article on presidential term

85. Which one of the following is not a part of the Constitution?

- (a) Preamble
- (b) Article on presidential term
- (c) Chapter system
- (d) Article on presidential term

24. Which year among the following is not a leap year? (A) 2014 (B) 2015 (C) 2016 (D) 2017

(A) 2014

(B) 2015

(C) 2016

(D) 2017

25. Which is the following is not a leap year? (A) 2014 (B) 2015 (C) 2016 (D) 2017

(A) The year 2014 is not a leap year because it is not a multiple of 4.

(B) The year 2015 is not a leap year because it is not a multiple of 4.

(C) The year 2016 is a leap year because it is a multiple of 4.

(D) The year 2017 is not a leap year because it is not a multiple of 4.

(A) 2014

(B) 2015

(C) 2016

(D) 2017

26. Which is the following is not a leap year? (A) 2014 (B) 2015 (C) 2016 (D) 2017

(A) The year 2014 is not a leap year because it is not a multiple of 4.

(B) The year 2015 is not a leap year because it is not a multiple of 4.

(C) The year 2016 is a leap year because it is a multiple of 4.

(D) The year 2017 is not a leap year because it is not a multiple of 4.

27. Which is the following is not a leap year? (A) 2014 (B) 2015 (C) 2016 (D) 2017

(A) The year 2014 is not a leap year because it is not a multiple of 4.

(B) The year 2015 is not a leap year because it is not a multiple of 4.

(C) The year 2016 is a leap year because it is a multiple of 4.

(D) The year 2017 is not a leap year because it is not a multiple of 4.

(A) 2014

(B) 2015

(C) 2016

(D) 2017

28. Which is the following is not a leap year? (A) 2014 (B) 2015 (C) 2016 (D) 2017

(A) The year 2014 is not a leap year because it is not a multiple of 4.

(B) The year 2015 is not a leap year because it is not a multiple of 4.

(C) The year 2016 is a leap year because it is a multiple of 4.

(D) The year 2017 is not a leap year because it is not a multiple of 4.

(A) 2014

(B) 2015

(C) 2016

(D) 2017

29. The Indian Council of Ministers was formed in (A) 1947 (B) 1952 (C) 1957 (D) 1962

(A) 1947

(B) 1952

(C) 1957

(D) 1962

16. Zvezdica ima izkazat in vspešnejši
kvalifikacijski izpit učitelja.
- (A) znanstveni izpit, ki ima po vsebi to
jako od 20 točke
- (B) izpit iz znanja, ki ga daje izpitni
 komisija in da izkazovalno število
prejema
- (C) izpitni izpit, ki ima izpitni
 komisija
- (D) izpitni izpit, ki ima izpitni
 komisija

17. A student giving a lesson of literature
the subject of "Speaker, List, Title,
Should be subjected to the
- (A) Degree System List Title
- (B) Degree System List Title
- (C) Degree System
- (D) Degree

18. "Which one of the following statements
regarding PISA Assessment Exercise
is correct?"
- (A) It consists of three sections
from List, Title and Speaker from
New York Degree System
- (B) It consists of three sections
from List, Title and Speaker from
New York Degree System
- (C) The test of students of PISA
assesses Competence in the past
- (D) PISA is a test of the
proficiency of the students in the
past

19. Which of the following statements
will appear in the Speaker List Title
in the report?
- (A) The content of the Speaker of
List, Title is evaluated by the
Degree Assessment of Title
- (B) The Student or student is
often a list of subjects in the
subject area of the report
- (C) The Student List is a report of
a student's list of subjects of
the

Student List is a report of the
student's list

(A) List

(B) List

(C) List

(D) List

20. Who is in Charge of the
Speaker, Title, List?

(A) B. K. Student

(B) Student List

(C) Student List

(D) Student List

21. It is a test of student's ability
to understand and use the
language in a real situation.
It is a test of student's ability
to understand and use the
language in a real situation.
It is a test of student's ability
to understand and use the
language in a real situation.

(A) It

(B) It

(C) It

(D) It

122. What one of the following is the process used by which the period of time necessary for a number used to equal itself?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

123. If 10% of x is double of 10% of y , then what is the ratio of x to y ?

- (A) 1:1
- (B) 2:1
- (C) 3:4
- (D) 4:1

124. The sum of population density in all cities of the world is just one region. If density was 1000 per sq. mile in the past one region is how many times as large as the world?

- (A) 100,000
- (B) 100,000
- (C) 100,000
- (D) 100,000

125. The average of the first n natural numbers is $\frac{n+1}{2}$. The average of the first n natural numbers is $\frac{n+1}{2}$. The average of the first n natural numbers is $\frac{n+1}{2}$. What one of the following is the average of the first n natural numbers?

- (A) 1:1
- (B) 1:1
- (C) 1:1
- (D) 1:1

126. A car starts at the top of a hill and goes down at a constant rate of 100 mph. The car is going down at a constant rate of 100 mph. How long will it take to reach the bottom of the hill?

- (A) 100
- (B) 100
- (C) 100
- (D) 100

127. The number of ways to choose 3 items from a set of 10 items is 120. How many ways are there to choose 3 items from a set of 10 items?

- (A) 120
- (B) 120
- (C) 120
- (D) 120

128. A car starts at the top of a hill and goes down at a constant rate of 100 mph. The car is going down at a constant rate of 100 mph. How long will it take to reach the bottom of the hill?

- (A) 100
- (B) 100
- (C) 100
- (D) 100

119. The opposite side of 4 to 1 on a number line is P and 7 respectively. What one of the following is the value of $4P + 3Q$?

- (A) 111
- (B) 107
- (C) 109
- (D) 112

120. n is a natural positive integer which when divided by 9 and 11 leaves remainder $1, 2$ respectively. Another natural integer which when divided by 9 and 11 leaves remainder 8 . Which one of the following is the value of $n + 99$?

- (A) 1
- (B) 1
- (C) 1
- (D) 1

121. A fraction is called *bat*, *brat* and *bit* when the numerator is called *bat*, *brat* and *bit* respectively. What are the values of n and d ?

- (A) 100
- (B) 100/100
- (C) 100/100
- (D) 100

122. In the following, identify the wrong one and remedy it?

- (A) 1000
- (B) 10000
- (C) 100000000
- (D) 100000000000

123. What is the value of the missing number?



- (A) 1
- (B) 1
- (C) 1
- (D) 1

124. In a group of 100 children, 40 children like to play cricket, 20 children like to play football and 30 children like to play both cricket and football. How many children like to play none of the mentioned sports?

- (A) 1
- (B) 1
- (C) 1
- (D) 1

125. The percentage strength of a solution when the age of $2, 3, 4$ is exactly 4 years old. Another solution has the same strength of 2 will be percent of the age of 3 ?

- (A) 2 per
- (B) 3 per
- (C) 4 per
- (D) 5 per

4. The new bank branch is a square with side length 64 meters. It is located in the center of the square of side length 128 meters. What is the area of the square of side length 128 meters? What is the area of the square of side length 64 meters?

- (A) 4096 m²
- (B) 8192 m²
- (C) 16384 m²
- (D) 32768 m²

5. To open a parcel of side length 128 meters, the area of the square of side length 64 meters is used. What is the area of the square of side length 128 meters?

- (A) 16384 m²
- (B) 32768 m²
- (C) 65536 m²
- (D) 131072 m²

6. The area of the square of side length 128 meters is used.

- (A) 16384 m²
- (B) 32768 m²
- (C) 65536 m²
- (D) 131072 m²

7. The area of the square of side length 128 meters is used.

- (A) 16384 m²
- (B) 32768 m²
- (C) 65536 m²
- (D) 131072 m²

8. The area of the square of side length 128 meters is used.

- (A) 16384 m²
- (B) 32768 m²
- (C) 65536 m²
- (D) 131072 m²

6. What is the primary purpose of a contract in a business context?

- a. To establish a legal relationship
- b. To define the terms of a transaction
- c. To provide a record of a verbal agreement
- d. To ensure that all parties are satisfied

7. Which of the following is not a characteristic of a contract?

- a. Enforceability
- b. Mutual assent
- c. Consideration
- d. Intent

8. What is the legal effect of a contract that is voidable?

- a. It is unenforceable
- b. It is enforceable
- c. It is partially enforceable
- d. It is void

9. Which of the following is not a requirement for a contract to be enforceable?

- a. Offer and acceptance
- b. Consideration
- c. Legal purpose
- d. Written form

10. What is the legal effect of a contract that is void?

- a. It is unenforceable
- b. It is enforceable
- c. It is partially enforceable
- d. It is voidable

11. Which of the following is not a characteristic of a contract that is void?

- a. Enforceability
- b. Mutual assent
- c. Consideration
- d. Intent

12. What is the primary treatment of a patient with a seizure?

- a. Administer oxygen
- b. Administer 100% O₂
- c. Administer 100% O₂ and 10 mg of lorazepam
- d. Administer 100% O₂ and 5 mg of lorazepam

13. What is the primary treatment of a patient with a seizure?

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- d. Administer 100% O₂ and 5 mg of lorazepam

16. What is the primary treatment of a patient with a seizure?

- a. Administer oxygen
- b. Administer 100% O₂
- c. Administer 100% O₂ and 10 mg of lorazepam
- d. Administer 100% O₂ and 5 mg of lorazepam

17. What is the primary treatment of a patient with a seizure?

- a. Administer oxygen
- b. Administer 100% O₂
- c. Administer 100% O₂ and 10 mg of lorazepam
- d. Administer 100% O₂ and 5 mg of lorazepam

10. Which line segment is tangent to the circle at point P ?

- (A) \overline{AP}
- (B) \overline{BP}
- (C) \overline{CP}
- (D) \overline{DP}

11. The following figure shows the hands of a clock at 4:00.



How many degrees are between the hands?

- (A) 120
- (B) 135
- (C) 150
- (D) 180

12. What is the area of the shaded region?

- (A) 10
- (B) 10π
- (C) 20
- (D) 20π

13. A circle with center O is tangent to the line l at point P . Which of the following is true about \overline{OP} ?

- (A) \overline{OP} is perpendicular to l .
- (B) \overline{OP} is parallel to l .
- (C) \overline{OP} is tangent to l .
- (D) \overline{OP} is a secant of l .

14. What is the area of the shaded region?

- (A) 100
- (B) 150
- (C) 200
- (D) 300

44. What are the two primary types of a person's interests?

- a. Money & Power
- b. Wealth & Power
- c. Influence & Wealth
- d. Influence & Power

45. What are the two primary sources that all interest is dependent upon?

- a. The power & wealth of the state
- b. Money & power of the state & people
- c. Wealth & power & money & influence
- d. The state & people & money & influence

46. What are the two primary sources that all wealth & money is dependent upon?

- a. Wealth
- b. Money
- c. Power
- d. Influence

47. What are the two primary sources that all money & wealth is dependent upon?

- a. Money & power of the state
- b. Money & power of the people
- c. Wealth & power of the state
- d. Wealth & power of the people

48. What are the two primary sources that all money & wealth is dependent upon?

- a. Wealth
- b. Money
- c. Power
- d. Influence

49. What are the two primary sources that all money & wealth is dependent upon?

- a. Wealth
- b. Money
- c. Power
- d. Influence

50. What are the two primary sources that all money & wealth is dependent upon?

- a. Wealth & power
- b. Money & power
- c. Wealth & money
- d. Money & power of the state

40. Which one of the following practices should be used to prevent soil loss of a high soil permeability during a storm?

- (A) contour tilling
- (B) strip tilling
- (C) strip cropping
- (D) terracing

41. What one of the following practices should be used to prevent soil erosion on a hillside?

- (A) The practice of leaving brush along the top of the hill to intercept the wind
- (B) The practice of leaving all surface water on the surface to prevent soil erosion
- (C) The practice of leaving all surface water on the surface to prevent soil erosion
- (D) The practice of leaving all surface water on the surface to prevent soil erosion
- (E) The practice of leaving all surface water on the surface to prevent soil erosion

42. What is the purpose of a soil erosion control practice?

- (A) To prevent soil erosion during a storm
- (B) To prevent soil erosion during a storm
- (C) To prevent soil erosion during a storm
- (D) To prevent soil erosion during a storm

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- (C) To prevent soil erosion during a storm
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- (A) To prevent soil erosion during a storm
- (B) To prevent soil erosion during a storm
- (C) To prevent soil erosion during a storm
- (D) To prevent soil erosion during a storm

38. The amount of interest on a \$100,000 loan depends on:

- the amount
- the term of the loan
- the rate of interest
- the frequency of payments
- the maturity

39. When a firm increases its level of operating leverage, which of the following is true?

- Operating leverage increases
- Operating leverage decreases
- Operating leverage remains constant
- Operating leverage is unaffected

40. In a firm with a high operating leverage, a 1% increase in sales will result in the operating income increasing by:

- more than 1%
- less than 1%
- exactly 1%
- less than 1% if the firm is in a recession

41. The cost of the debt is generally:

- higher
- lower
- the same
- unrelated

42. The cost of equity is generally:

- higher
- lower
- the same
- unrelated

43. The risk of the overall firm is the sum of the risk of the operating assets and the risk of the debt.

- True
- False
- Partly true
- Partly false

44. Operating leverage is the ratio of operating leverage to operating assets.

- True
- False
- Partly true
- Partly false

45. Which one of the following pairs of terms are related to operating leverage?

- Operating leverage and operating assets
- Operating leverage and operating income
- Operating leverage and operating assets
- Operating leverage and operating income

46. The operating leverage of a firm is the ratio of operating leverage to operating assets.

- True
- False
- Partly true
- Partly false

44. The Supreme Court of the United States has the power to do all of the following EXCEPT:

- a. Interpret the Constitution
- b. Review and declare laws unconstitutional
- c. Review and declare executive actions unconstitutional
- d. Review and declare state laws unconstitutional

45. The President is elected to his office by:

- a. Direct election
- b. State legislatures
- c. The Electoral College
- d. Congress

46. What is the only thing that is not a power of the President?

- a. Declare war
- b. Grant pardons and reprieves
- c. Sign and veto bills
- d. Appoint and remove judges

47. The President is able to do all of the following EXCEPT:

- a. Sign a bill
- b. Sign a veto
- c. Sign a treaty
- d. Sign a bill into law

48. Which of the following is NOT a power of the President?

- a. Sign bills into law
- b. Declare war
- c. Appoint and remove judges
- d. Grant pardons and reprieves

49. Which of the following is NOT a power of the President?

- a. Sign bills into law
- b. Declare war
- c. Appoint and remove judges
- d. Grant pardons and reprieves

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- a. Sign bills into law
- b. Declare war
- c. Appoint and remove judges
- d. Grant pardons and reprieves

8. A right triangle has a hypotenuse of length 10 and one leg of length 6. What is the length of the other leg?

- (A) 4
- (B) 6
- (C) 8
- (D) 10

9. The area of a square is 16. What is the length of one of its sides?

- (A) 2
- (B) 4
- (C) 8
- (D) 16

10. A right triangle has a hypotenuse of length 10 and one leg of length 6. What is the length of the other leg?

- (A) 4
- (B) 6
- (C) 8
- (D) 10

11. A right triangle has a hypotenuse of length 10 and one leg of length 6. What is the length of the other leg?

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- (C) 8
- (D) 10

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- (A) 4
- (B) 6
- (C) 8
- (D) 10

13. A right triangle has a hypotenuse of length 10 and one leg of length 6. What is the length of the other leg?

- (A) 4
- (B) 6
- (C) 8
- (D) 10

43. The amount of water in a bathtub just as the water starts to drain is 100 gallons. How long will it take to drain?

- a. 10 minutes
- b. 15 minutes
- c. 20 minutes
- d. 25 minutes

44. An object is being dropped from a height of 100 feet. How long will it take to reach the ground?

- a. 1.4 seconds
- b. 2.0 seconds
- c. 2.8 seconds
- d. 4.5 seconds

How long will it take to reach the ground?

- a. 1.4 sec
- b. 2.0 sec
- c. 2.8 sec
- d. 4.5 sec

45. A car starts from rest and accelerates at a constant rate of 10 m/s². How long will it take to reach a speed of 100 m/s?

- a. 10 seconds
- b. 20 seconds
- c. 30 seconds
- d. 40 seconds

46. A car starts from rest and accelerates at a constant rate of 10 m/s². How long will it take to reach a speed of 100 m/s?

- a. 10 seconds
- b. 20 seconds
- c. 30 seconds
- d. 40 seconds

47. A car starts from rest and accelerates at a constant rate of 10 m/s². How long will it take to reach a speed of 100 m/s?

- a. 10 seconds
- b. 20 seconds
- c. 30 seconds
- d. 40 seconds

33. Which of the following is not a characteristic of a good leader?

- | Left | Right |
|--------------------|----------------|
| Not Characteristic | Characteristic |
| A. Fair | B. Selfish |
| C. Openness | D. Honesty |
| E. Transparency | F. Trust |
| G. Integrity | H. Selfishness |

34.

A. 1	B. 2	C. 3	D. 4	E. 5
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5

35. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

36. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

37. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

38. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

39. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

40. Which of the following is not a characteristic of a good leader?

- Integrity
- Empathy
- Transparency
- Selfishness

18. What are the following parts of these molecules? (The number after a colon is the number of atoms)

- a) Methanol : 1:1:1
- b) Ethanol : 2:1:1
- c) Ethane : 2:6
- d) Methane : 1:4

19. Complete the following sentences:

- 1. The atoms in a molecule are held together by a force called a **bond**.
- 2. In an ionic compound, the ions are held together by a force called an **ionic bond**.

What is the number of atoms in each molecule?

- a) 1:1:1
- b) 2:1:1
- c) 2:6:1:1
- d) 1:4:1:1

20. The atoms in a molecule are held together by a force called a **bond**. The number of atoms in a molecule is called the **relative molecular mass**.

- a) chemical bond
- b) $r.m.m.$
- c) relative molecular mass
- d) $r.m.m.$

21. The atoms in a molecule are held together by a force called a **bond**. The number of atoms in a molecule is called the **relative molecular mass**.

- a) $r.m.m.$
- b) $r.m.m.$
- c) The number of atoms in a molecule
- d) The number of atoms in a molecule

22. The atoms in a molecule are held together by a force called a **bond**. The number of atoms in a molecule is called the **relative molecular mass**.

- a) The number of atoms in a molecule
- b) The number of atoms in a molecule
- c) The number of atoms in a molecule
- d) The number of atoms in a molecule

23. The atoms in a molecule are held together by a force called a **bond**. The number of atoms in a molecule is called the **relative molecular mass**.

- a) The number of atoms in a molecule
- b) The number of atoms in a molecule
- c) The number of atoms in a molecule
- d) The number of atoms in a molecule

16. Which one of the following statements is true about the function f of the graph in the xy -plane?

- (A) The graph shows a function that is not one-to-one.
- (B) The function values are the same for all values of x .
- (C) The graph has a vertical asymptote at $x = 2$.
- (D) The function has a horizontal asymptote at $y = 2$.
- (E) The function has a vertical asymptote at $x = 2$ and a horizontal asymptote at $y = 2$.

17. An integer n is the sum of two integers a and b . Which of the following is true?

- (A) a and b are both even.
- (B) a and b are both odd.
- (C) a and b are both integers.
- (D) a and b are both positive.

Which of the following is true about n ?

- (A) n is even.
- (B) n is odd.
- (C) n is a prime.
- (D) n is a square.

18. A number n is the sum of two integers a and b . Which of the following is true about n ?

- (A) n is even.
- (B) n is odd.
- (C) n is a prime.
- (D) n is a square.

19. In a certain number system, the addition operation is defined as follows: $a + b = ab$. Which one of the following is true in this system?

- (A) $1 + 1 = 2$
- (B) $1 + 1 = 1$
- (C) $1 + 1 = 0$
- (D) $1 + 1 = -1$

20. The graph in the xy -plane shows a function f that has a vertical asymptote at $x = 2$ and a horizontal asymptote at $y = 2$. Which of the following is true about f ?

- (A) $f(1) = 1$
- (B) $f(1) = 2$
- (C) $f(1) = 3$
- (D) $f(1) = 4$

21. The number n is the sum of two integers a and b . Which of the following is true about n ?

- (A) n is even.
- (B) n is odd.
- (C) n is a prime.
- (D) n is a square.

38. Suppose the rate of change of a function

f is given by $f'(x) = 2x + 3$. Which of the following is the value of $f(2) - f(1)$?

- (A) 100
- (B) 1000
- (C) 10000
- (D) 100000

39. The area of a square is 16. What is the length of one of its sides?

- (A) 4
- (B) 16
- (C) 32
- (D) 64

40. The volume of a cube is 27. What is the length of one of its edges?

- (A) 3
- (B) 9
- (C) 27
- (D) 81

41. The area of a circle is 100π . What is the radius of the circle?

- (A) 10
- (B) 20
- (C) 100
- (D) 1000

42. The area of a square is 16. What is the length of one of its sides?

- (A) 4
- (B) 16
- (C) 32
- (D) 64

43. The area of a circle is 100π . What is the radius of the circle?

- (A) 10
- (B) 20
- (C) 100
- (D) 1000

44. The area of a circle is 100π . What is the radius of the circle?

- (A) 10
- (B) 20
- (C) 100
- (D) 1000

10. A customer is requesting why the returned merchandise is subject to handling fee after 30 days.

- a. True or
- b. Handling
- c. Inventory
- d. None

11. How is the billing system used for a credit?

- a. A bill is generated for a credit adjustment
- b. A bill is generated to bill a customer for a credit
- c. A bill is generated for the credit sale of a bill to a customer
- d. A bill is generated to bill a customer for a credit

How is a credit adjustment processed?

- a. 1, 2, 3, 4
- b. 1, 3, 4
- c. 2, 3, 4
- d. 1, 2, 3, 4

12. How is the billing system used for a credit?

- 1. The customer is billed for the credit
- 2. The customer is billed for the credit
- 3. The customer is billed for the credit
- 4. The customer is billed for the credit
- 5. The customer is billed for the credit
- 6. The customer is billed for the credit
- 7. The customer is billed for the credit
- 8. The customer is billed for the credit

How is a credit adjustment processed?

- a. 1, 2, 3, 4
- b. 1, 2, 3, 4
- c. 1, 2, 3, 4
- d. 1, 2, 3, 4

13. How is the billing system used for a credit?

- 1. The customer is billed for the credit
- 2. The customer is billed for the credit
- 3. The customer is billed for the credit
- 4. The customer is billed for the credit

How is a credit adjustment processed?

- a. 1, 2, 3, 4
- b. 1, 2, 3, 4
- c. 1, 2, 3, 4
- d. 1, 2, 3, 4

44. A company gives an employee a bonus of \$100 and 25% of the amount of the bonus. If the employee receives a total of \$150, how much of the bonus is the employee's share?

- (A) \$100
- (B) \$125
- (C) \$150
- (D) \$175
- (E) \$200

45. The difference of two numbers is 10 and the sum of the two numbers is 20. What is the product of the two numbers?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

46. A number is added to 10 and the result is 20. What is the number?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

47. A number is added to 10 and the result is 20. What is the number?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

48. A number is added to 10 and the result is 20. What is the number?

- (A) 10
- (B) 20
- (C) 30
- (D) 40
- (E) 50

49. A number is added to 10 and the result is 20. What is the number?

	10	20
10	20	30
20	30	40
30	40	50
40	50	60

	10	20	30
10	20	30	40
20	30	40	50
30	40	50	60
40	50	60	70

22. Which one of the following is the only term that is not a verb?

- (A) Running
- (B) Swims
- (C) Walk
- (D) Push

23. Which one of the following is a noun?

- (A) Run
- (B) Run
- (C) Run
- (D) Running

24. The word "to" does not come under the part of speech known as what?

- (A) Noun
- (B) Adjective
- (C) Conjunction
- (D) Verb

25. Which one of the following is not a part of the parts of speech?

- 1. Noun
- 2. Adjective
- 3. Verb or subject for verb
- 4. None of these (A, B, C and D)

26. Which one of the following is not a part of speech?

- (A) A Part of speech
- (B) A Part of speech
- (C) A Part of speech
- (D) A Part of speech

27. Which one of the following is not a part of speech?

- (A) Run
- (B) Run
- (C) Run
- (D) Running

28. Which one of the following is not a part of speech?

- 1. The word "to" does not come under the part of speech known as what?
- 2. The word "to" does not come under the part of speech known as what?

29. Which one of the following is not a part of speech?

- (A) Run
- (B) Run
- (C) Run
- (D) Running

30. Which one of the following is not a part of speech?

- (A) Run
- (B) Run
- (C) Run
- (D) Running

104. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

105. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

106. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

107. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

108. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

109. The only way to change color in a flower is to:

- a. change flower shape
- b. change flower size
- c. change flower shape and size
- d. change flower shape and color

101. Which of the following is not a characteristic of a good leader?

- a. Integrity
- b. Vision
- c. Empathy
- d. Autonomy

102. Which of the following is not a characteristic of a good leader?

- a. Vision
- b. Empathy
- c. Integrity
- d. Autonomy

103. Which of the following is not a characteristic of a good leader?

- a. Vision
- b. Empathy
- c. Integrity
- d. Autonomy

104. Which of the following is not a characteristic of a good leader?

- | 104 | 105 |
|--------------|--------------|
| 104 | 105 |
| a. Vision | a. Integrity |
| b. Empathy | b. Vision |
| c. Integrity | c. Empathy |
| d. Autonomy | d. Autonomy |

- a. Vision
- b. Empathy
- c. Integrity
- d. Autonomy

105. Which of the following is not a characteristic of a good leader?

- a. Vision
- b. Empathy
- c. Integrity
- d. Autonomy

128. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

129. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

130. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

131. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

132. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

133. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

134. Which of the following is not a type of tax? (100)

- A. Excise
- B. Property
- C. Income
- D. Sales

यह सूची भारत के विभिन्न राज्यों में विद्यमान संस्कृत-शिक्षण-संस्थानों के नामों की सूची है।

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

A

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

1. संस्कृत-शिक्षण-सूची
2. संस्कृत-शिक्षण-सूची
3. संस्कृत-शिक्षण-सूची
4. संस्कृत-शिक्षण-सूची
5. संस्कृत-शिक्षण-सूची
6. संस्कृत-शिक्षण-सूची
7. संस्कृत-शिक्षण-सूची
8. संस्कृत-शिक्षण-सूची
9. संस्कृत-शिक्षण-सूची
10. संस्कृत-शिक्षण-सूची
11. संस्कृत-शिक्षण-सूची
12. संस्कृत-शिक्षण-सूची
13. संस्कृत-शिक्षण-सूची
14. संस्कृत-शिक्षण-सूची
15. संस्कृत-शिक्षण-सूची
16. संस्कृत-शिक्षण-सूची
17. संस्कृत-शिक्षण-सूची
18. संस्कृत-शिक्षण-सूची
19. संस्कृत-शिक्षण-सूची
20. संस्कृत-शिक्षण-सूची

संस्कृत-शिक्षण-सूची

17. The average rate of the flow is about 50 cubic centimeters per second. How much water is in the tank after 10 seconds?

- (A) 500 cm³
- (B) 500 cm²
- (C) 500 cm³/s
- (D) 500 cm²/s

18. The average rate of the flow is about 50 cubic centimeters per second. How much water is in the tank after 10 seconds?

- (A) 500 cm³
- (B) 500 cm²
- (C) 500 cm³/s
- (D) 500 cm²/s

19. What is the rate of change of the function $f(x) = 2x^2 + 3x - 4$ at $x = 1$?

- (A) 4
- (B) 5
- (C) 6
- (D) 7

20. What is the rate of change of the function $f(x) = 2x^2 + 3x - 4$ at $x = 1$?

- (A) 4
- (B) 5
- (C) 6
- (D) 7

21. What is the rate of change of the function $f(x) = 2x^2 + 3x - 4$ at $x = 1$?

- (A) 4
- (B) 5
- (C) 6
- (D) 7

22. What is the rate of change of the function $f(x) = 2x^2 + 3x - 4$ at $x = 1$?

- (A) 4
- (B) 5
- (C) 6
- (D) 7

16. The number of units of a good that a firm produces is given by the production function $Q = 100L^{0.5}K^{0.5}$.

- a. 100 units
- b. 100 units of labor
- c. 100 units of capital
- d. 100 units

17. What is the output of the firm when $L = 100$ and $K = 100$?

- a. 100 units of output
- b. 100 units of labor
- c. 100 units of capital
- d. 100 units of output

18. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$.

- a. 100 units
- b. 100 units
- c. 100 units
- d. 100 units

19. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$.

- a. 100 units
- b. 100 units
- c. 100 units
- d. 100 units

20. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$.

- a. 100 units
- b. 100 units
- c. 100 units
- d. 100 units

21. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$. The output of the firm is given by the production function $Q = 100L^{0.5}K^{0.5}$.

- a. 100 units
- b. 100 units
- c. 100 units
- d. 100 units

10. Which value of x satisfies the equation $x^2 = 16$?

- A. -4
- B. -2
- C. 2
- D. 4

11. The number x is a factor of the sum of an integer and its square. Which of the following is a possible value of x ?

- A. $\sqrt{2}$
- B. $\sqrt{3}$
- C. $\sqrt{4}$
- D. $\sqrt{5}$

12. Which one of the following is a factor of $x^2 + 6x + 8$?

- A. $x + 2$
- B. $x + 4$
- C. $x + 6$
- D. $x + 8$

13. Which one of the following is not a factor of $x^2 + 5x + 6$?

- A. $x + 2$
- B. $x + 3$
- C. $x + 4$
- D. $x + 6$

14. The value of x is a factor of the sum of an integer and its square.

- A. $\sqrt{2}$
- B. $\sqrt{3}$
- C. $\sqrt{4}$
- D. $\sqrt{5}$

15. The number x is a factor of the sum of an integer and its square.

- A. $\sqrt{2}$
- B. $\sqrt{3}$
- C. $\sqrt{4}$
- D. $\sqrt{5}$

16. The equation $x^2 + 6x + 8 = 0$ has two solutions.

- A. $x = -2$
- B. $x = -4$
- C. $x = 2$
- D. $x = 4$

11. If the demand for a good is perfectly elastic,

- a. supply is constant.
- b. demand is constant.
- c. supply is constant.
- d. demand is constant.
- e. demand is perfectly elastic.

12. The price elasticity of a supply curve depends on the slope of the supply curve. The flatter the supply curve, the

- a. lower the elasticity.
- b. higher the elasticity.
- c. lower the price.
- d. higher the price.

13. The price of a good falls when the supply curve shifts to the

- a. right.
- b. left.
- c. up.
- d. down.

14. When the supply curve shifts to the right, the price of a good

- a. falls and quantity increases.
- b. falls.
- c. rises.
- d. rises and quantity increases.

15. The equilibrium price and quantity of a good are determined by the intersection of the supply and demand curves. If the supply curve shifts to the right, the equilibrium price and quantity

- a. decrease.
- b. increase.
- c. decrease and quantity increases.
- d. increase and quantity increases.

16. A decrease in the price of a good will

- a. increase the quantity demanded.
- b. decrease the quantity demanded.
- c. increase the price.
- d. decrease the price.

11. The number of x 's in column 4 of a 1000-digit number is the number of x 's in the column of a digit of each 1000-digit number. In the 1000-digit number 1111111111, the number of x 's is
- (A) 0
 - (B) 1
 - (C) 10
 - (D) 11

12. Suppose a job of size n requires a unit of time to finish. If the job is split into k equal parts, each of size n/k , the total time required to finish the job is
- (A) n/k
 - (B) n
 - (C) kn
 - (D) k^2n

13. If the number of digits in the base-10 expansion of $n!$ is d , and the number of digits in the base-10 expansion of $(n+1)!$ is $d+1$, then the number of digits in the base-10 expansion of $(n+2)!$ is
- (A) d
 - (B) $d+1$
 - (C) $d+2$
 - (D) $d+3$

14. The number of digits in the base-10 expansion of $n!$ is d . The number of digits in the base-10 expansion of $(n+1)!$ is $d+1$. The number of digits in the base-10 expansion of $(n+2)!$ is
- (A) d
 - (B) $d+1$
 - (C) $d+2$
 - (D) $d+3$

15. The number of digits in the base-10 expansion of $n!$ is d . The number of digits in the base-10 expansion of $(n+1)!$ is $d+1$. The number of digits in the base-10 expansion of $(n+2)!$ is
- (A) d
 - (B) $d+1$
 - (C) $d+2$
 - (D) $d+3$

16. The number of digits in the base-10 expansion of $n!$ is d . The number of digits in the base-10 expansion of $(n+1)!$ is $d+1$. The number of digits in the base-10 expansion of $(n+2)!$ is
- (A) d
 - (B) $d+1$
 - (C) $d+2$
 - (D) $d+3$

11. The function f is defined on the interval $(-\infty, \infty)$ by

- (A) $f(x) = 2x^2$
- (B) $f(x) = 2x$
- (C) $f(x) = x^2 + 2$
- (D) $f(x) = x^2 + 2x$

12. Which of the following is the graph of the function $f(x) = 2x^2 - 4x + 2$?

- (A)
- (B)
- (C)
- (D)

13. The function f is defined on the interval $(-\infty, \infty)$ by

- (A) $f(x) = 2x^2 + 1$
- (B) $f(x) = 2x^2 - 1$
- (C) $f(x) = x^2 + 1$
- (D) $f(x) = x^2 - 1$

14. The graph of the function f is shown below. Which of the following is the graph of the function $g(x) = f(x) + 2$?

- (A)
- (B)
- (C)
- (D)

15. The graph of the function f is shown below. Which of the following is the graph of the function $g(x) = f(x) - 2$?

- (A)
- (B)
- (C)
- (D)

16. The graph of the function f is shown below. Which of the following is the graph of the function $g(x) = f(x) + 1$?

- (A)
- (B)
- (C)
- (D)

17. The graph of the function f is shown below. Which of the following is the graph of the function $g(x) = f(x) - 1$?

- (A)
- (B)
- (C)
- (D)

46. A beam has a total of 100 tons consisting of 70 tons of Type A and 30 tons of Type B. The ratio of Type A to Type B is

- (A) 4
- (B) 5
- (C) $\frac{7}{3}$
- (D) $\frac{7}{2}$

47. The average number of items bought by 100 people was 20. What was the total number of items bought?

- (A) Average price of items bought
- (B) Average price of items bought
- (C) Average of 100 items bought
- (D) Average of 100 items bought

48. Consider the following:

- (1) Average price of 100 items bought
- (2) Average of 100 items bought
- (3) Average of 100 items bought
- (4) Average of 100 items bought

Which of the following is the correct answer?

- (A) 1 only
- (B) 2 only
- (C) All 1 and 2
- (D) All 1 and 3

49. Consider the following:

- (1) 100
- (2) 100
- (3) 100

Which of the following is the correct answer?

- (A) 100
- (B) 100
- (C) 100
- (D) 100

50. Consider the following:

- (1) 100
- (2) 100
- (3) 100

Which of the following is the correct answer?

- (A) 100
- (B) 100
- (C) 100
- (D) 100

51. Consider the following:

- (1) 100
- (2) 100
- (3) 100

Which of the following is the correct answer?

11. Which one of the following groups was most responsible for the development of the novel?

- a. The novelists of the Renaissance
- b. The novelists of the 18th century
- c. The novelists of the 19th century
- d. The novelists of the 20th century

12. Which one of the following was not a characteristic of the novel?

- a. It was a form of fiction.
- b. It was a form of poetry.
- c. It was a form of drama.
- d. It was a form of prose.

13. Which one of the following was not a characteristic of the novel?

- a. It was a form of fiction.
- b. It was a form of poetry.
- c. It was a form of drama.
- d. It was a form of prose.

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- b. It was a form of poetry.
- c. It was a form of drama.
- d. It was a form of prose.

14. Which set of the following numbers represents the solution set of the system of equations below?

- (A) $\{(-1, 2)\}$
- (B) $\{(1, 2)\}$
- (C) $\{(1, -2)\}$
- (D) $\{(-1, -2)\}$

15. What is the value of x in the following system of equations?

$x + y = 1$	$x - y = 3$
1. $x = 2$	1. $x = 2$
2. $x = 1$	2. $x = 1$
3. $x = 0$	3. $x = 0$
4. $x = -1$	4. $x = -1$

- (A) $\{(-1, 2)\}$
- (B) $\{(1, 2)\}$
- (C) $\{(1, -2)\}$
- (D) $\{(-1, -2)\}$

16. What is the value of x in the following system of equations?

- (A) $x = 2$
- (B) $x = 1$
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- (A) $x = 2$
- (B) $x = 1$
- (C) $x = 0$
- (D) $x = -1$

10. Which one of the following statements about gas flow is not correct?

- a) Gas flow is laminar in all pipes of the same size.
- b) Gas flow is turbulent in a pipe of diameter 10 cm.
- c) Gas flow over the top of a mountain may become turbulent in a valley below.
- d) Gas flow in the right hand side of a pipe may be turbulent in both directions.

11. Which one of the following statements is correct with respect to wind speed?

- a) The wind is a fluid in motion and it is a dynamic phenomenon.
- b) The wind is a fluid in motion but it is not a dynamic phenomenon.
- c) The wind is a fluid in motion and it is a static phenomenon.
- d) The wind is a fluid in motion and it is a dynamic phenomenon.

12. Which one of the following is a function of the Reynolds number?

- a) Drag
- b) Lift
- c) Lift
- d) Drag

13. The correct name of C. C. Wilbur is that of the first person to use a kite to study the air flow over a wing.

- a) He is a pioneer in aerodynamics.
- b) He is a pioneer in fluid mechanics.
- c) He is a pioneer in fluid mechanics.
- d) He is a pioneer in aerodynamics.

14. Specific heat is a property of a fluid.

- a) It is a fluid property.
- b) It is a fluid property.
- c) It is a fluid property.
- d) It is a fluid property.

15. The velocity of the wind is a function of the Reynolds number.

- a) The velocity of the wind is a function of the Reynolds number.
- b) The velocity of the wind is a function of the Reynolds number.
- c) The velocity of the wind is a function of the Reynolds number.
- d) The velocity of the wind is a function of the Reynolds number.

46. Which of the following is not a characteristic of a firm's internal control system?

- a. Control is an integral part of the firm's overall business strategy.
- b. Control is limited to the firm's internal operations.
- c. Control is designed to help the firm achieve its objectives.
- d. Control involves a flow of information from the firm's operations.

47. Which of the following is not a characteristic of a firm's internal control system?

- a. The main objective of internal control is to ensure the firm's financial statements are accurate.
- b. The main objective of internal control is to ensure the firm's operations are efficient.
- c. The main objective of internal control is to ensure the firm's assets are protected.
- d. The main objective of internal control is to ensure the firm's compliance with laws and regulations.

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14. What are all the letters between uppercase *W* and *Z* in the alphabet?

- A. 10 letters
- B. 11 letters
- C. 12 letters
- D. 13 letters

15. The number 1000 is written in words as:

- A. One
- B. Ten
- C. One hundred
- D. One thousand

16. Which of the following is not a unit of length?

- A. Meter
- B. Centimeter
- C. Kilometer
- D. Second

17. Which of the following is not a unit of mass?

- A. Kilogram
- B. Gram
- C. Milligram
- D. Second

18. What are all the letters between uppercase *A* and *Z* in the alphabet?

- A. 26 letters
- B. 27 letters
- C. 28 letters
- D. 29 letters

19. What is the number written in figures for one hundred and ten?

- A. 100
- B. 110
- C. 1010
- D. 10010

20. Which of the following is not a unit of length?

- A. Meter
- B. Centimeter
- C. Kilometer
- D. Second

21. Which of the following is not a unit of mass?

- A. Kilogram
- B. Gram
- C. Milligram
- D. Second

11. Which of the following is not a characteristic of the following table structure?

- a. Indexed
- b. Sorted
- c. Unordered
- d. Unordered column

12. Which of the following is not a characteristic of the following table structure?

- a. Indexed & Sorted
- b. Sorted
- c. Unordered
- d. Unordered

Which of the following is not a characteristic of the following table structure?

- a. Sorted
- b. Indexed & Sorted
- c. Unordered
- d. Indexed

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- c. Unordered
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- b. Indexed
- c. Indexed & Sorted
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- a. Indexed & Sorted
- b. Sorted
- c. Unordered
- d. Unordered

10. Which one of the following is not a function of the SAC? How do you determine an 'Other' case? (10 marks)

- a) To receive
- b) To be responsible for monitoring
- c) To ensure that the work is done properly
- d) To be involved in

11. Which, amongst the following, is not a function of a controller?

- a) Approval of a budget
- b) Approval of a budget of expenditure
- c) Approval of a budget of revenue
- d) Approval of a budget of expenditure
- e) Approval of a budget of revenue

12. The term 'liquidity of' a business is defined as:

- a) a business's ability to pay its debts
- b) the speed with which a business can convert its assets into cash
- c) a business's ability to pay its debts as they fall due
- d) a business's ability to pay its debts as they fall due

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- d) a business's ability to pay its debts as they fall due

10. Which one of the following was not a political event of 1896?

- (A) McKinley's victory over Bryan
- (B) The new Republican party and William McKinley
- (C) The passage of the Sherman Antitrust Act
- (D) The passage of the gold standard

11. To put it in context, the 1896 election was one of the fiercest fought in American history. There is a general feeling that the election was decided by

- (A) Bryan
- (B) McKinley
- (C) Tilden
- (D) Hayes

12. Which one of the following is not a result of the passage of the Sherman Act?

- (A) The act caused the rise of the trust in the economy
- (B) The act caused the rise of the trust in the economy of the United States
- (C) The act caused the rise of the trust in the economy of the United States
- (D) The act caused the rise of the trust in the economy of the United States
- (E) The act caused the rise of the trust in the economy of the United States

13. Which one of the following is not a result of the Sherman Act?

- (A) The act caused the rise of the trust in the economy
- (B) The act caused the rise of the trust in the economy of the United States
- (C) The act caused the rise of the trust in the economy of the United States
- (D) The act caused the rise of the trust in the economy of the United States

Which one of the following is not a result of the Sherman Act?

- (A) Bryan
- (B) McKinley
- (C) Tilden
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- (A) Bryan
- (B) McKinley
- (C) Tilden
- (D) Hayes

10. Using the following information, find the value of x .

1. $\angle A = 40^\circ$
2. $\angle B = 100^\circ$
3. $\angle C = 120^\circ$
4. $\angle D = 140^\circ$

What is the value of x ?

- A. 144
- B. 136
- C. 120
- D. 140

11. Which of the following is a true statement?

1. All squares are rectangles.
2. All rectangles are squares.
3. All squares are rhombuses.

What is the value of x ?

- A. 100
- B. 140
- C. 120
- D. 136

12. What is the value of x in the following figure?

Year	Population (in millions)
1990	100
1995	110
2000	120
2005	130
2010	140

What is the value of x ?

A. 100	B. 110	C. 120	D. 130
E. 140	F. 150	G. 160	H. 170
I. 180	J. 190	K. 200	L. 210

13. Which of the following is a true statement?

1. All squares are rectangles.
2. All rectangles are squares.
3. All squares are rhombuses.
4. All rhombuses are squares.

102. What are the two things that are the basis of the contract in insurance (How do others fit in insurance contracts?)

- a. Risk
- b. Profit
- c. Money
- d. Loss

103. What are the two things that are the basis of the contract in insurance?

- a. Risk
- b. Profit
- c. Loss
- d. Money

104. Insurance policy contracts are contracts of:

- a. Insurance contracts
- b. Property contracts
- c. Insurance contracts
- d. Insurance contracts

105. What is the standard form of insurance contract?

- a. 1-1000
- b. 1-100
- c. 1-10000
- d. 1-100000

106. What is the standard form of insurance contract?

Form	Number
1-1000	1-1000
1-100	1-1000
1-10000	1-1000
1-100000	1-1000

107.

108. What is the standard form of insurance contract?

109. What is the standard form of insurance contract?

110. What is the standard form of insurance contract?

111. What is the standard form of insurance contract?

112. What is the standard form of insurance contract?

113. What is the standard form of insurance contract?

114. What is the standard form of insurance contract?

115. What is the standard form of insurance contract?

116. What is the standard form of insurance contract?

117. What is the standard form of insurance contract?

118. What is the standard form of insurance contract?

119. What is the standard form of insurance contract?

120. What is the standard form of insurance contract?

108. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. Low volatility
- b. Short duration
- c. High volatility
- d. High duration

109. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. Short duration and volatility of risk in the summer of 2002
- b. High volatility and volatility of risk in the summer of 2002

What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. Low volatility
- b. High volatility
- c. Short duration
- d. High duration

110. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. High volatility
- b. Low volatility
- c. High volatility
- d. Low volatility

111. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. High volatility and volatility of risk in the summer of 2002
- b. Low volatility and volatility of risk in the summer of 2002

What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. Low volatility
- b. High volatility
- c. Short duration
- d. High duration

112. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. Low volatility and volatility of risk in the summer of 2002
- b. High volatility and volatility of risk in the summer of 2002
- c. Low volatility and volatility of risk in the summer of 2002
- d. High volatility and volatility of risk in the summer of 2002

113. What is the primary reason for the shift in corporate risk in the summer of 2002?

- a. High volatility and volatility of risk in the summer of 2002
- b. Low volatility and volatility of risk in the summer of 2002
- c. High volatility and volatility of risk in the summer of 2002
- d. Low volatility and volatility of risk in the summer of 2002

10. Which of the following is not a function of the cell membrane?

What is the value of the expression $2x^2 + 3x - 4$ if $x = 2$?

- 10
- 14
- 18
- 22

11. The area of a square is 144 square units. What is the length of one side of the square?

- 12
- 14
- 16
- 18

12. The perimeter of a rectangle is 100 units. If the length is 30 units, what is the width?

- 20
- 25
- 30
- 35

13. A car starts at a speed of 30 miles per hour and accelerates to 60 miles per hour in 10 seconds. What is the acceleration of the car?

- 3
- 3.0
- 3.00
- 3.000

14. The area of a circle is 100π square units. What is the radius of the circle?

- 5
- 10
- 20
- 40

15. The area of a square is 144 square units. What is the length of one side of the square?

- 12
- 14
- 16
- 18

16. The area of a circle is 100π square units. What is the radius of the circle?

- 5
- 10
- 20
- 40

8. Which of the following is correct with regard to the formation of a type of the English that is a *preposition*?

- a. It is a *preposition* in the English, because it has 10 members of both the *form* and the *function* in English in the English.
- b. The *form* is *preposition* in the English, but the *function* is *verb* in the English. It is a *preposition* in the English, but the *function* is *verb* in the English.
- c. It is a *preposition* in the English, because it has 10 members of both the *form* and the *function* in the English. It is a *preposition* in the English, but the *function* is *verb* in the English.
- d. The *form* is *preposition* in the English, but the *function* is *verb* in the English.

9. Which of the following are *prepositions*?

- 1. *and*
- 2. *because*
- 3. *from*
- 4. *with*

Which of the following are *prepositions*?

- a. *and*
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- c. *from*
- d. *with*

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Which of the following are *prepositions*?

- a. *and*
- b. *because*
- c. *from*
- d. *with*

10. What are the three primary sources of information for the auditor?

- a. The client's internal control system
- b. The client's financial statements
- c. The client's management
- d. The client's employees
- e. The client's suppliers

11. What are the three primary sources of information for the auditor?

- a. None
- b. Internal
- c. External
- d. Other
- e. All of the above

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- c. The client's management
- d. The client's employees
- e. The client's suppliers
- f. The client's customers
- g. The client's competitors
- h. The client's industry
- i. The client's economy
- j. The client's government
- k. The client's society
- l. The client's culture
- m. The client's religion
- n. The client's politics
- o. The client's technology
- p. The client's environment
- q. The client's history
- r. The client's future
- s. The client's present
- t. The client's past
- u. The client's future, present, and past

14. What are the three primary sources of information for the auditor?

- a. Internal
- b. External
- c. Other
- d. All of the above

14. What is the primary goal of the...?

- a. ...
- b. ...
- c. ...
- d. ...
- e. ...
- f. ...
- g. ...
- h. ...

15. The main purpose of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

16. Which of the following is not a...?

- a. ...
- b. ...
- c. ...
- d. ...
- e. ...

17. The primary function of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

18. The main objective of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

19. The primary purpose of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

20. The main goal of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

21. The primary function of the... is to...

- a. ...
- b. ...
- c. ...
- d. ...

10. The most important factor in a good forecast is:

1. the quality of the data available
2. the accuracy of the model used
3. the skill of the forecaster
4. the amount of data available

11. A system's ability to handle changes in demand is called its:

1. flexibility
2. adaptability
3. robustness
4. responsiveness

12. The best way to forecast demand is:

1. to use a combination of qualitative and quantitative methods
2. to use a combination of historical and judgmental data
3. to use a combination of statistical and judgmental data
4. to use a combination of statistical and judgmental data

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1. the quality of the data available
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10. The primary purpose of a contract is to:

- a. create a legal obligation
- b. define the relationship between the parties
- c. provide a means of dispute resolution
- d. establish a framework for the relationship

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43. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
- c. It is a reaction to the growth of the welfare state
- d. It is a reaction to the growth of the welfare state

44. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
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- c. It is a reaction to the growth of the welfare state
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- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
- c. It is a reaction to the growth of the welfare state
- d. It is a reaction to the growth of the welfare state

Table

- a. Democracy
- b. Capitalism
- c. Welfare state
- d. Welfare state

46. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
- c. It is a reaction to the growth of the welfare state
- d. It is a reaction to the growth of the welfare state

47. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
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48. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
- c. It is a reaction to the growth of the welfare state
- d. It is a reaction to the growth of the welfare state

49. What are some of the reasons behind the "Blacklash" against?

- a. It is a reaction to the growth of post-industrialism
- b. It is a reaction to the growth of the welfare state
- c. It is a reaction to the growth of the welfare state
- d. It is a reaction to the growth of the welfare state

14. Which one of the following is not a characteristic of a...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

15. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

16. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

17. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

18. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

19. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

20. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

21. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

22. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

23. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

24. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

25. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

26. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

27. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

28. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

29. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

30. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

31. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

32. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

33. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

34. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

35. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

36. The ...
 (a) ...
 (b) ...
 (c) ...
 (d) ...

11. The value of x in the following equation is
 $2x + 3 = 15$. Which of the following
 values of x is correct?

- a. 12
- b. 6
- c. 3
- d. 2

12. The value of x in the following equation is
 $5x - 2 = 18$.

- a. 4
- b. 6
- c. 8
- d. 10

13. The value of x in the following equation is
 $3x + 7 = 22$.

- a. 5
- b. 6
- c. 7
- d. 8

14. The value of x in the following equation is
 $4x - 1 = 15$.

- a. 4
- b. 5
- c. 6
- d. 7

15. The value of x in the following equation is
 $2x + 5 = 17$.

- a. 6
- b. 7
- c. 8
- d. 9

16. The value of x in the following equation is
 $3x - 4 = 11$.

- a. 5
- b. 6
- c. 7
- d. 8

17. The value of x in the following equation is
 $4x + 3 = 19$.

- a. 4
- b. 5
- c. 6
- d. 7

18. The value of x in the following equation is
 $5x - 6 = 24$.

- | | |
|-------|-------|
| a. 6 | b. 7 |
| c. 8 | d. 9 |
| e. 10 | f. 11 |
| g. 12 | h. 13 |
| i. 14 | j. 15 |

19. The value of x in the following equation is
 $6x + 2 = 28$.

- | | |
|-------|-------|
| a. 4 | b. 5 |
| c. 6 | d. 7 |
| e. 8 | f. 9 |
| g. 10 | h. 11 |
| i. 12 | j. 13 |

20. The value of x in the following equation is
 $7x - 1 = 35$.

- | | |
|-------|-------|
| a. 5 | b. 6 |
| c. 7 | d. 8 |
| e. 9 | f. 10 |
| g. 11 | h. 12 |
| i. 13 | j. 14 |

10. Most of the energy you obtain from the air is used to heat the atmosphere in a layer of air near the ground.

1. Infrared radiation from water molecules
2. Infrared radiation from the ground
3. Infrared radiation from the sun
4. Infrared radiation from the atmosphere

11. The atmosphere is a mixture of gases.

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

12. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

13. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

14. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

15. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

16. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

17. The atmosphere is a mixture of gases. The most abundant gas in the atmosphere is

1. Nitrogen
2. Oxygen
3. Carbon dioxide
4. Argon

10. Which of the following is not a characteristic of a normal distribution?

- A. Symmetric
- B. Unimodal
- C. Bell-shaped
- D. Skewed to the right

11. The area under the normal curve between $z = -1$ and $z = 1$ is approximately:

- A. 0.2420
- B. 0.4772
- C. 0.6915
- D. 0.9772

12. The area under the normal curve to the right of $z = 1.64$ is approximately:

- A. 0.0505
- B. 0.0540
- C. 0.0539
- D. 0.0540

13. The area under the normal curve to the left of $z = 1.64$ is approximately:

- A. 0.9495
- B. 0.9460
- C. 0.9461
- D. 0.9460

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- A. 0.9495
- B. 0.9460
- C. 0.9461
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- A. 0.0505
- B. 0.0540
- C. 0.0539
- D. 0.0540

16. The area under the normal curve to the left of $z = 1.64$ is approximately:

- A. 0.9495
- B. 0.9460
- C. 0.9461
- D. 0.9460

10. Which of the following is not a type of...
 a. ...
 b. ...
 c. ...
 d. ...

11. ...
 a. ...
 b. ...
 c. ...
 d. ...

12. ...
 a. ...
 b. ...
 c. ...
 d. ...

13. ...
 a. ...
 b. ...
 c. ...
 d. ...

14. ...
 a. ...
 b. ...
 c. ...
 d. ...

15. ...
 a. ...
 b. ...
 c. ...
 d. ...

Year	...	...	...	...
1990	...	...	...	...
1991	...	...	...	...
1992	...	...	...	...
1993	...	...	...	...

16. ...
 a. ...
 b. ...
 c. ...
 d. ...

17. ...
 a. ...
 b. ...
 c. ...
 d. ...

Directions: The table below shows the number of employees of a company in a specific field, by gender. What is the ratio of female employees to the total number of employees?

Field	M	F	T
Engineering	10	15	25
Marketing	15	10	25

8. The average price of a book is \$12.50. If the average price of a book is \$12.50, what is the average price of a book?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

9. Using the data table below, what is the average number of books that a person reads in a year? (Round to the nearest whole number.)

Age Group	Number of Books Read
18-24	12
25-34	15
35-44	18
45-54	21
55-64	24

10. If a car travels 100 miles in 2 hours, what is the average speed of the car?

- (A) 50
- (B) 100
- (C) 150
- (D) 200

Directions: The table below shows the number of employees of a company in a specific field, by gender. What is the ratio of female employees to the total number of employees?

- 1. The average price of a book is \$12.50. If the average price of a book is \$12.50, what is the average price of a book?
- 2. Using the data table below, what is the average number of books that a person reads in a year?

11. What is the average price of a book?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

12. Using the data table below, what is the average number of books that a person reads in a year? (Round to the nearest whole number.)

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

13. What is the average price of a book?

14. Using the data table below, what is the average number of books that a person reads in a year?

- 1. If a car travels 100 miles in 2 hours, what is the average speed of the car?

15. What is the average price of a book?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

43. The number of terms in the expansion of $(a+b)^n$ is

- $n+1$
- n
- $n-1$
- $n-2$

What is the constant term in the expansion?

- 1
- 2
- 3
- 4

44. The value of $\sin^{-1}(\sin \frac{2\pi}{3})$ is

- $\frac{\pi}{3}$
- $\frac{2\pi}{3}$
- $\frac{4\pi}{3}$
- $\frac{5\pi}{3}$

45. The value of $\sin^{-1}(\sin \frac{5\pi}{6})$ is

- $\frac{\pi}{6}$
- $\frac{5\pi}{6}$
- $\frac{7\pi}{6}$
- $\frac{11\pi}{6}$

What is the constant term in the expansion?

- 1
- 2
- 3
- 4

46. The value of $\sin^{-1}(\sin \frac{2\pi}{3})$ is

- $\frac{\pi}{3}$
- $\frac{2\pi}{3}$
- $\frac{4\pi}{3}$
- $\frac{5\pi}{3}$

What is the constant term in the expansion?

- 1
- 2
- 3
- 4

47. The value of $\sin^{-1}(\sin \frac{5\pi}{6})$ is

- | | |
|---------------------|----------------------|
| 1. $\frac{\pi}{6}$ | 2. $\frac{5\pi}{6}$ |
| 3. $\frac{7\pi}{6}$ | 4. $\frac{11\pi}{6}$ |

48. The value of $\sin^{-1}(\sin \frac{2\pi}{3})$ is

- | | |
|---------------------|---------------------|
| 1. $\frac{\pi}{3}$ | 2. $\frac{2\pi}{3}$ |
| 3. $\frac{4\pi}{3}$ | 4. $\frac{5\pi}{3}$ |

49. The value of $\sin^{-1}(\sin \frac{5\pi}{6})$ is

- $\frac{\pi}{6}$
- $\frac{5\pi}{6}$
- $\frac{7\pi}{6}$
- $\frac{11\pi}{6}$

47. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

48. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

49. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

50. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

51. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

52. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

53. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

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- a. 15%
- b. 20%
- c. 25%
- d. 30%

55. The Long-Term Capital Gains Tax Rate is:

- a. 15%
- b. 20%
- c. 25%
- d. 30%

18. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

19. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

20. Which of the following is not a type of...?

- | | |
|--------|--------|
| a. ... | b. ... |
| c. ... | d. ... |
| e. ... | f. ... |
| g. ... | h. ... |

21. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

22. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

23. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

24. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

25. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

26. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

27. Which of the following is not a type of...?

- a. ...
- b. ...
- c. ...
- d. ...

16. Which of the following statements about the long-run aggregate supply curve is false?

1. It is vertical in the long run.
2. It is a flat line that shows that output is constant.
3. It is a downward-sloping line that shows that output is constant.
4. It is a curve that shows that output is constant.

17. Supply is always constant in the long run.

1. True
2. False
3. Sometimes true, sometimes false
4. Sometimes true, sometimes false

What is the constant price level in the long run?

1. 1.0000
2. 1.0001
3. 1.0002
4. 1.0003

18. Supply is always constant in the long run.

1. True
2. False
3. Sometimes true, sometimes false
4. Sometimes true, sometimes false

What is the constant price level in the long run?

1. 1.0000
2. 1.0001
3. 1.0002
4. 1.0003

19. Which of the following is the correct statement about the long-run aggregate supply curve?

1. It is vertical.
2. It is downward-sloping.
3. It is upward-sloping.
4. It is horizontal.

20. Which of the following is the correct statement about the long-run aggregate supply curve?

1. It is vertical.
2. It is downward-sloping.
3. It is upward-sloping.
4. It is horizontal.

21. Which of the following is the correct statement about the long-run aggregate supply curve?

1. It is vertical.
2. It is downward-sloping.
3. It is upward-sloping.
4. It is horizontal.

What is the constant price level in the long run?

1. 1.0000
2. 1.0001
3. 1.0002
4. 1.0003

63. Under the existing payment system (the old Government of India):

- To the extent of 25% of the net income.
- To the extent of the whole of the net income.
- To the extent of 25% of the net income.
- To the extent of 25% of the net income.

64. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

65. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

66. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

67. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

68. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

69. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

70. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

71. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None

72. The Government of India has decided to:

- Reduce
- Increase
- Cap it
- None