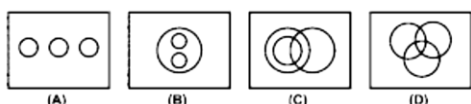


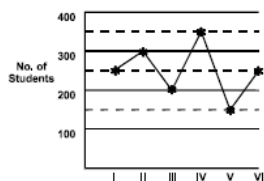
16. Typhoid fever is caused by?
 A. Virus B. Bacteria
 C. Fungus D. None of these
17. One star is going away from the Earth. Then the observer on the Earth will experience:
 A. Decrease in wave length
 B. Increase in wave length
 C. No change in wave length
 D. None of these

18. Select the diagram which best represents the relationships between educated people, unemployed and teachers.



- A. A B. B
 C. C D. D

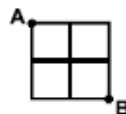
19. Number of students in different specialisations in an institute



Number of students in specialisation IV is what percent of the total number of students in the institute.

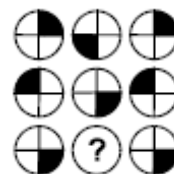
- A. $23\frac{2}{3}$ B. $23\frac{1}{3}$
 C. $22\frac{1}{3}$ D. $22\frac{2}{3}$
20. Most of the ozone in the atmosphere is concentrated in the:
 A. Ionosphere B. Mesosphere
 C. Stratosphere D. Troposphere
21. AMRUT Mission of Government of India relates to:
 A. Transforming cities & towns into smart cities
 B. Health sector
 C. Agriculture sector
 D. Food Processing sector

22. Study the following figure:
 A person goes from A to B always moving to right or downwards along the lines. How many different routes he can adopt?



Select the correct answer.

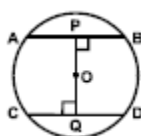
- A. 5 B. 4
 C. 6 D. 7
23. Verification of a login name and password is known as?
 A. Configuration B. Accessibility
 C. Authentication D. Logging in
24. Which of the figures shown below occupies the blank space (?) in the matrix given below:



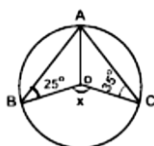
- A. B.
 C. D.

25. GST bill introduced in Lok Sabha on December 19, 2014 is the constitutional amendment bill:
 A. One Hundred & Twenty first amendment bill, 2014
 B. One Hundred & Twenty second amendment bill, 2014
 C. One Hundred & Twenty fourth amendment to the constitution
 D. One Hundred & Nineteenth amendment bill, 2013
26. Array is the
 A. Linear data structure
 B. Non linear data structure
 C. Complex data structure
 D. Simple data structure

27. As per the World Happiness report 2015 published by SDSN, who has been named the happiest country of the World:
 A. Denmark B. Norway
 C. Switzerland D. Canada
28. Surya Kiran-VII is the joint military exercise of India with which neighboring South Asian country?
 A. Bhutan B. Bangladesh
 C. Sri Lanka D. Nepal
29. In the given figure AB and CD are two parallel chords of a circle with center O and radius 5 cm. Also AB = 8 cm and CD = 6 cm. If $OP \perp AB$ and $OQ \perp CD$, determine the length of PQ:



- A. 7 cm B. 10 cm
 C. 8 cm D. None of these
30. Find the value of X:



- A. 160° B. 40°
 C. 80° D. 120°

DIRECTIONS: (Question No. 31 & 32) In the following questions, each question is followed by two statements labelled I and II in which certain data is given. You have to decide whether the data given in the statements are sufficient to answer the question. Using the data given, together with our everyday knowledge, choose.

- A. If statement I alone is sufficient to answer the question but statement II alone is not sufficient to answer the question.
 B. If statement II alone is sufficient to answer the question but statement I alone is not sufficient to answer the question
 C. If both statements I and II together are sufficient to answer the question but neither alone is sufficient to answer the question

- D. If I and II are not sufficient to answer the question and more data is required
31. What marks have been obtained by Ramesh?
 I. Ramesh's marks are average of marks of Namita and Anita
 II. Namita obtained 80 marks and this is 33% more than the marks obtained by Anita
 A. A B. B
 C. C D. D
32. A certain bookshop sold, 92 copies of "Geet Gata Chal" by Atal Bihari Vajpayee during the first day. What percentage of stock of this book did he sell on that day:
 I. The total number of books with this title on stock is 230.
 II. There are a total of 1000 books in his store.
 A. A B. B
 C. C D. D
33. Find the incorrectly matched item?
 A. Country who won the Women's Hockey World Cup, 2014 – The Neatherland
 B. Harika Dronavalli associated with game – Chess
 C. Australian open 2015, Women's single title winner – Serena Williams
 D. 2014, Wimbledon Champion in women segment – Eugenie Bouchard
34. Tick the incorrect statement with reference to current affairs:
 A. India is the fifth biggest producer of e-waste in the World as per UN report
 B. Sri Lanka Parliament recently adopted the 19th constitutional amendment with an overwhelming majority
 C. Protection under section 197 of CrPc was only available to a public servant for honest discharge of his duty as per recent Supreme Court Verdict
 D. Chennai Super Kings defeated Mumbai Indians in the final winning Indian Premier League title recently in Kolkata
35. The BRICS Bank would have its headquarter in?
 A. India B. Russia
 C. China D. South Africa

36. Permanent instructions that the computer uses when it is turned on and that can not be changed by other instructions are contained in?
 A. ROM B. RAM
 C. REM D. None of these
37. If any industrial unit is to be declared as sick unit, it will be referred to:
 A. BIFR B. DRT
 C. SEBI D. MSME

DIRECTIONS: (Question No. 38 to 40) A survey is conducted on 800 software engineers. It was found that 45.625% of them know C# language, 56.875% of them know VB and 47.5% know Java. The percentage of software engineers who know C# and VB but not Java is 17.5% and those who know VB and Java but not C# are 15.625%. The percentage of software engineers who knows C# and Java but not VB is 9.375%. The total number of software engineers who only know Java is 150. Answer the question based on the information.

38. How many engineers know all three languages?
 A. 24 B. 30
 C. 36 D. None of these
39. The total number of software engineers who know exactly one language out of given three:
 A. 280 B. 360
 C. 450 D. None of these
40. The total number of software engineers who only know C# is:
 A. 120 B. 130
 C. 115 D. None of these
41. The vitamin that helps to prevent infections in human body?
 A. Vitamin A B. Vitamin B
 C. Vitamin C D. None of these
42. Which of the following is the highest mountain peak in South India:
 A. Anai Mudi B. Doda Beta
 C. Mahendragiri D. Dhupgarh
43. The age of the Earth is approximately 1.3×10^{17} seconds, and one year is approximately 3.2×10^7 seconds. Which of

- the following is closest to the age of the Earth in years?
 A. 2.5×10^9 B. 4.1×10^9
 C. 1.9×10^{10} D. 2.5×10^{11}

DIRECTIONS: (Question No. 44 to 48) Study the table below to answer these questions. The table gives the percentage distribution of population of five states Punjab, Uttarakhand, Rajasthan, Karnataka and Tamilnadu on the basis of poverty line and also on the basis of gender.

STATE	Population of Population Below Poverty Line	Population of Males & Females	
		Below Poverty Line	Above Poverty Line
		M : F	M : F
Punjab	35	5 : 6	6 : 7
Uttarakhand	25	3 : 5	4 : 5
Rajasthan	24	1 : 2	2 : 3
Karnataka	19	3 : 2	4 : 3
Tamilnadu	15	5 : 3	3 : 2

44. If the male population above poverty line for the state Rajasthan is 1.9 million then the total population of the state Rajasthan is?
 A. 4.5 Million B. 6.25 Million
 C. 5.35 Million D. None of these
45. What will be the number of females above poverty line in the state Karnataka if it is known that the population of Karnataka is 7 million?
 A. 3 Million B. 2.43 Million
 C. 1.33 Million D. 5.7 Million
46. What will be the number of male population above poverty line for the state Punjab if the female population below poverty line for Punjab is 2.1 Million?
 A. 2.1 Million B. 2.3 Million
 C. 2.7 Million D. 3.3 Million
47. If the population of males below poverty line for state Uttarakhand is 2.4 million and that for the state Tamilnadu is 6 million, then total population of states Uttarkhand and Tamilnadu are in the ratio?
 A. 1:3 B. 2:5
 C. 3:7 D. 4:9

48. If the population of males below poverty line for state Uttarakhand is 1.2 million and that for the state Tamilnadu is 3 million, then total population of states Tamilnadu and Uttarkhand are in the ratio:
 A. 1.5:1 B. 2.5:1
 C. 3.5:1 D. 4.5:1
49. Tagore was the first Asian to win Nobel Prize for literature. The second Asian to win Nobel prize for literature belongs to which country?
 A. China B. Japan
 C. India D. Pakistan
50. Which of the following medium is used between CPU & RAM to speed up the processing power of a CPU?
 A. Virtual Memory
 B. D RAM
 C. Flash Memory
 D. Cache Memory
51. ASSERTION (A):- The President of India has the power to grant pardon, reprieve, respite or remission of punishment or to suspend, remit or commute sentence.
 REASON (R):- The President exercises not only executive functions but also judicial and legislative functions
 A. Both A and R are true and R is correct explanation of A
 B. Both A and R are true but R is not correct explanation of A
 C. A is true but R is false
 D. A is false but R is true
52. Consider the following figure and answer the item given below:



- What is the minimum number of different colours required to paint the figure given above such that no two adjacent regions have same colours.
- A. 4 B. 7
 C. 3 D. 8
53. How many triangles are there in the given figure?



- A. 16 B. 14
 C. 15 D. None of these
54. What will come in place of question mark.
- | | | | | | | |
|---|---|---|----|---|---|---|
| A | 6 | C | 10 | J | P | ? |
| E | | G | | M | S | |
- A. 31 B. 32
 C. 34 D. None of these
55. 'C' is a place which is located 2 km away in the north-west direction from the capital Z. R is another place that is located 2 km away in the south-west direction from 'C'. 'M' is another place and that is located 2 km away in the north-west direction from 'R'. 'T' is yet another place that is located 2 km away in the south-west direction from 'M'. In which direction is 'T' located in relation to 'Z'?
 A. South-West B. West
 C. North D. None of these
56. When three coins are tossed together, the probability that all coins have the same face is:
 A. 1/4 B. 1/6
 C. 1/3 D. None of these
57. What will happen to the area of a rectangle if its length is doubled and breadth is tripled?
 A. 5 times more the area of the old rectangle
 B. Area will remain the same
 C. 6 times less the area of the old rectangle
 D. 6 times more the area of the old rectangle






DIRECTIONS: (Question No. 58 to 60) Read the following statement carefully and then answer the questions given under it.

From a batch of six batsman– Sahwag, Gambir, Dravid, Dhoni, Yuvraj and Tendulkar and four ballers– Praveen, R. P. Singh, Kapildev, Ishant, a team of six players is to be selected for participating in International Cricket League. Some of the criteria are–

- i. Gambhir and Dhoni have to be together
- ii. Dravid can not go with R. P. Singh
- iii. Tendulkar can not go with Sahwag or Dhoni
- iv. Praveen and Kapildev have to be together
- v. Praveen can not go with Ishant
- vi. Sahwag and Youvraj have to be together

Unless otherwise mentioned, the above criteria are applicable to all the following questions.

58. If four of the members including Youvraj have to be batsman and one of the baller has to be Kapildev, the team consists of:
- A. Sahwag, Gambhir, Dhoni, Youvraj, Kapildev, Ishant
 - B. Gambhir, Dhoni, Youvraj, Tendulkar, Praveen, Kapildev
 - C. Sahwag, Dhoni, Youvraj, Tendulkar, Praveen, Kapildev
 - D. Sahwag, Gambhir, Dhoni, Youvraj, Praveen, Kapildev
59. If at least three members have to be ballers and Dravid agrees to team with R. P. Singh but R. P. Singh refuses to team with Sahwag, the team consists of:
- A. Gambhir, Dhoni, Youvraj, Praveen, R.P. Singh, Ishant
 - B. Gambhir, Dravid, Dhoni, Praveen, Kapildev, Ishant
 - C. Praveen, Ishant, Kapildev, Sahwag, Dravid, Youvraj
 - D. Praveen, R. P. Singh, Kapildev, Gambhir, Dravid, Dhoni
60. If three members including Dravid have to be batsman and Ishant agrees to team with Praveen while Youvraj refuses to do so, the other members of the team are:
- A. Gambhir, Dhoni, R.P. Singh
 - B. Gambhir, Dhoni, Kapildev
 - C. Youvraj, Tendulkar, Ishant
 - D. Sahwag, Youvraj, R.P. Singh
61. As per 3rd advance estimates of production of crops for 2014–15 by department of agriculture and co-operation in May, 2015. The production of which of the following crop is higher as compared to last year production:

- A. Rice
 - B. Wheat
 - C. Oil
 - D. Sugarcane
62. New rate of service tax which is levied at the rate of 14% has taken effect from:
- A. 1st May, 2015
 - B. 1st April, 2015
 - C. 1st July, 2015
 - D. 1st June, 2015
63. Which of the following is a common extension used in the file names for application programs?
- A. EXE
 - B. DIR
 - C. TXT
 - D. DOC
64. Which is next in series?
- 
- A. 
 - B. 
 - C. 
 - D. 
65. David Cameron was back to power on 9th May, 2015 in recently held elections in UK. Which party swept Scotland in the election with majority of its MPs
- A. The Liberal Democrats
 - B. The Labour Party
 - C. Scottish National Party
 - D. The Conservative Party
66. An ice block with a piece of lead embedded in it floats in water. If ice melts, the water level?
- A. Rises
 - B. Falls
 - C. Remains same
 - D. Falls first and then rises
67. 2000 soldiers in a fort had enough food for 20 days. But some soldiers were transferred to another fort and the food lasted for 25 days. How many soldiers were transferred?
- A. 400
 - B. 450
 - C. 525
 - D. 500
68. The read/write line:
- A. Belongs to the data bus
 - B. Belongs to the control bus
 - C. Belongs to the address bus
 - D. Is a CPU bus

80. The perimeters of a square and a regular hexagon are equal. The ratio of the area of the hexagon to the area of the square is:
- A. $2\sqrt{3}:1$ B. $2\sqrt{3}:3$
C. $3\sqrt{3}:2$ D. $\sqrt{2}:3$
81. Select the choice that represents the given number the best.
1 7 2 5 5 5 2:
- A. N P N R R R S B. A B C D E F F
C. N N P Q Q R S D. A B C D D D C
82. The refractive indices of Kerosene, Turpentine and water are 1.44, 1.47 and 1.33 respectively. Light will have maximum speed in:
- A. Kerosene B. Turpentine
C. Water
D. Speed remains same for all
83. A man stands on a tower and sees two hill peaks one in the north east and one in the north west. Both peaks are at the same distance from the tower. He climbs the top of the peak in the North East and looks at the other peak. Which direction does he look to do so:
- A. North West B. South West
C. South D. West
- DIRECTIONS:** Answer the following question on the basis of the information given below.
- i. Trains A and B are travelling on the same route heading towards the same destination. Train B has already covered a distance of 220 km before the train 'A' started.
- ii. The two trains meet each other after 11 hours after start of train 'A'
- iii. Had the trains been travelling towards each other (from a distance of 220 km) they would have met after one hour.
84. What is the speed of trains 'B' in kmph:
- A. 100 B. 180
C. 116 D. None of these
85. Which state has the largest population of scheduled tribes:
- A. Kerala B. Maharashtra
C. Bihar D. Madhya Pradesh
86. Numbers are stored and transmitted inside a computer in:
- A. Binary form
B. ASCII code form
C. Decimal form
D. Alphanumeric form
87. What is used to convert the program written in assembly language into machine language:
- A. Interpreter B. Compiler
C. Assembler D. None of these
88. Match the Suitable pair:
- | Mineral | Used in |
|----------------|------------------------|
| A. Mica | 1. Aluminium Industry |
| B. Bauxite | 2. Thermal Power |
| C. Manganese | 3. Electrical Industry |
| D. Lignite | 4. Steel Alloys |
- A. A3, B1, C4, D2
B. A4, B1, C3, D2
C. A2, B1, C4, D3
D. A3, B1, C2, D4
89. A parity bit is:
- A. Used to indicate uppercase letters
B. Used to detect errors
C. Is the first bit in a byte
D. Is the last bit in a byte
90. QWERTY is used with reference to:
- A. Screen layout
B. Mouse button layout
C. Keyboard layout
D. Word processing software
91. In a 20 pages book, pages 1 and 2 face each other, 3 and 4 face each other, 5 and 6 face each other. This pattern is repeated till the end. The product of 2 pages facing each other in this book cannot be:
- A. 184 B. 132
C. 90 D. 56
92. In a certain code, CONTRIBUTOR is written as 'RTNOCIROTUB'. How is 'DISASSEMBLE' written in that code?
- A. SIDSASLEBME B. SSASIDELMBE
C. SASIDSELBME D. SASIDESLBME

93. The average score of Sachin Tendulkar in IPL 15 Matches is 70 runs and the average score in Border Gavaskar Trophy T-20 Matches is 45 runs in 7 matches. If he has played 10 more International T-20 matches and his overall average score in all T-20 Matches was 73 runs. What was his total score in 10 International T-20 Matches:
- A. 990 B. 971
C. 982 D. None of these
94. Find the incorrect statement:
- A. House of Federation is the new name of senate (upper house of parliament) of Pakistan
- B. Justice S.K. Sinha is the first Hindu chief Justice of Bangladesh
- C. Man Booker International prize 2015 winner is a Hungarian Novelist
- D. Chabahar Port deal was recently signed between India and China
95. Antwerp – a leading place for cutting and trading diamond is located in:
- A. Luxembourg
B. France
C. The Netherlands
D. Belgium

GENERAL ENGLISH

DIRECTIONS: (Question No. 96 to 99) A short passage is given. After the passage you will find questions based on that passage. First read the passage and answer questions based on it.

The prisoner awaited his chance. For three solid years he had schemed for this opportunity. Now that escape seemed so near at hand, those three years lost some of their monotony. But he would never forget the lashes, the close confinement, low diet, and worse still the mental strain of those black days. Suddenly the warden did what he hoped. He stopped to unlock the lower padlock. With a dull thud he slumped forward with keys in his hands. Swiftly the prisoner seized his keys, unlocked the cell, and ran into the courtyard. It took him four seconds to reach the rope ladder secretly placed there by his accomplices, five more to clamber over the wall, and three more to jump into the waiting car to be whisked away to freedom. Even though he was guilty, the prisoner felt he had paid for his crime, for the man he had robbed three years ago was still a millionaire.

96. What had been the crime of prisoner:
- A. Robbery B. Murder
C. Arson D. Cheating
97. Who slumped forward with a dull thud?
- A. The millionaire
B. The prisoner
C. The Warden
D. Prisoner accomplice
98. Who had placed the rope ladder:
- A. Warden B. Prisoner
C. Millionaire D. Accomplice
99. When had the crime been committed
- A. Just before escape
B. Three years earlier
C. Long ago
D. Day earlier
- DIRECTIONS:** Choose the correct passive voice of the sentence given in the question.
100. Is the noise not disturbing the old man?
- A. Is the old man not being disturbed by the noise?
B. Whether the old man is not being disturbed by the noise?
C. Do the old man not being disturbed by the noise?
D. Let the old man not be disturbed by the noise.
101. Choose the correct option for the sentence: 'Many conjuring tricks depend upon optical _____'
- A. delusions B. allusions
C. illusions D. resolution
102. What does 'to put one's best foot forward' mean?
- A. to give oneself up
B. to disclose a secret
C. to march in a straight line
D. to make a good first impression

DIRECTIONS: Against each key word are given four suggested meaning. Choose the word or phrase which is nearest in meaning to the key word.

103. ASPERITY:

- A. Ambition B. Eagerness
C. Promptness D. Harshness

DIRECTIONS: Change the following sentences into reported speech.

104. Shashi said "I plan to leave for Australia next week":

- A. Shashi said that he had planned to leave for Australia next week.
B. Shashi told that he planned to leave for Australia next week.
C. Shashi said that he planned to leave for Australia the following week
D. Shashi told that he had planned to leave for Australia the following week.

105. Read the sentence and choose the antonyms of the Underlined Word among the alternative words or phrases as (1), (2), (3) and (4).

The superintendent looked very grumpy.

- A. Surly B. Pleasant
C. Efficient D. Honest

DIRECTIONS: In the following question, fill in the blanks by selecting a choice which is in keeping with good English usage.

106. The friend writes faster:

- A. Than me B. Than myself
C. Than I D. Than self

DIRECTIONS: In this question, four words numbered (1), (2), (3) and (4) have been given of which one may be wrongly spelt. The number of that word is your answer.

107. A. Gynacology B. Habitual
C. Inheritance D. Manipulative

DIRECTIONS: Find the one word substitution in the following question.

108. Animals that can live both on land and water are called:

- A. Amorphous B. Amphibian
C. Aquatic D. Versatile

109. Plural of the word "Shelf":

- A. Selves B. Shelves
C. Shelfs D. Selfish

110. Fill in the appropriate conjunction:

Cover all the cut fruit flies sit on them.

- A. Lest, should
B. Lest, should not
C. Otherwise, should
D. Otherwise, should not

111. In the question given below a sentence is broken into FOUR parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

1. As we rarely get tip offs
2. From student's community
3. It is hard to nab
4. Drug peddlers in the campus
A. 3, 4, 1, 2 B. 1, 2, 3, 4
C. 2, 3, 1, 4 D. 3, 4, 2, 1

112. Complete the following sentence.

The old man's condition looks very serious and it doubtful if he will _____.

- A. Pull through B. Pull out
C. Pull up D. Pull back

113. Identify the incorrect sentence among the alternatives:

- A. Either Ram or Shyam will give his book.
B. All the students of the class are friendly; they love one another.
C. Ram I and you have finished our studies.
D. Ram is older than all other boys of this area.

114. Identify the correct form of reported speech of the following sentence among the following alternatives:

The teacher said, "Delhi became an Union Territory in 1956"

- A. The teacher said that Delhi had been an union territory since 1956.
B. The teacher said that Delhi was to be an union territory in 1956.
C. The teacher said that Delhi had become an union territory in 1956.
D. The teacher said that Delhi became an union territory in 1956.

115. Complete the sentence using a proper preposition:
He was advised to abstain _____ all alcoholic drinks.
A. In B. From
C. At D. By
116. Select the one that completes the given sentence in a grammatically correct way.
Mumps _____ a dangerous disease for pregnant women.
A. is B. are
C. were D. Have been
117. Identify the correct form of reported speech of the following sentence among the following alternatives:
He said, "Shall I begin the discussion?"
A. He inquired if he should begin the discussion.
B. He said if he would begin the discussion.
C. He told if he would begin the discussion.
D. He asked if he would begin the discussion.
118. Arrange the following sentences/phrases in a coherent sequence and select the corresponding choice from (1), (2), (3) and (4).
Jumbled sentences/phrases.
M He was confused
N He made a wrong choice
O Ram attended the test
P He tried to guess the answer
Q about a question
A. OMPQN B. OMQPN
C. MOPNQ D. PNOQM
119. Fill the correct article.
Ramesh's father is _____ M.P and Suresh's father is _____ Member of Legislative Assembly:
A. A, An B. An, An
C. An, A D. An, The
120. Fill in the gap with suitable preposition:
Yoghurt is different ____ plain curd.
A. from B. than
C. by D. of

