

B.Voc

1. Which one is different from the other three?

- (A) ZYXW
- (B) MNOP
- (C) HGFE
- (D) DCBA

2. Which of the following replaces the Question Mark?

3, 6, 12, 15, 30, (?)

- (A) 33
- (B) 35
- (C) 45
- (D) 60

3. Which of the following replaces the Question Mark?

18	27	75
41	60	12
45	45	?

- (A) 20
- (B) 30
- (C) 15
- (D) 35

4. Which of the following replaces the Question Mark?

4	11	18
25	32	39
46	?	60

- (A) 56
- (B) 53
- (C) 63
- (D) 51

5. Which of the following replaces the Question Mark?

12	36	144
15	60	300
18	?	540

- (A) 80
- (B) 72
- (C) 90
- (D) 110

6. Which of the following replaces the Question Mark?

0	3	8
15	24	35
48	?	30

- (A) 64
- (B) 63
- (C) 68
- (D) 84

7. Pick out the odd one

**Mango, Guava, Grapes, Potato, Pineapple**

- (A) Guava
- (B) Pineapple
- (C) Potato
- (D) Grapes

8. Pick out the odd one

**24, 36, 48, 39, 12**

- (A) 12
- (B) 36
- (C) 39
- (D) 24

9. Pick out the odd one

**Investor, Financier, Landlord, Entrepreneur, Producer.**

- (A) Producer
- (B) Financier
- (C) Landlord
- (D) Investor

10. My Father distributed Rs. 280/- in such a way that each girl received Rs 20/- and each boy Rs. 10/- If the number of boys is less than that of girls by two, find the number of boys?

- (A) 8
- (B) 15
- (C) 10
- (D) 7

11. If 15 apples and 20 oranges cost as much as 20 apples and 15 oranges, which of the following conclusions are correct?

- (A) Orange and Apple have identical prices
- (B) Orange price is double that of Apple
- (C) No conclusion can be drawn
- (D) Apple is cheaper than Orange

12. If A nil sold a commodity for Rs. 450/- at the loss of 10%, then at what price did he purchase it?

- (A) Rs. 495/-
- (B) Rs. 500/-
- (C) Rs. 405/-
- (D) Rs. 490/-

13. A wagon has the capacity of 12 adults or 20 children. How many adults can be boarded with 15 children?

- (A) 3 adults
- (B) 4 adults
- (C) 5 adults
- (D) 6 adults

14. In a class, Ravi's Rank is 15<sup>th</sup> from the top and 21<sup>st</sup> from the bottom. How many students are there in the class?
- (A) 31  
(B) 26  
(C) 35  
(D) 36
15. Mohan's salary is 25% above Raja. Then how much percentage is Raja's salary less than Mohan?
- (A) 20%  
(B) 25%  
(C) 24%  
(D) 30%
16. If ANOTHER is coded as 7309: 21, then THORN will be coded as.
- (A) 95103  
(B) 95013  
(C) 95313  
(D) 95113
17. If  $12=10$  and  $32=26$ , then  $22=?$
- (A) 20  
(B) 16  
(C) 18  
(D) 17
18. Which of the following replaces the Question Mark?  
128, 64, 32, ?
- (A) 16  
(B) 30  
(C) 8  
(D) 4

19. Find the wrong number in the sequence 125, 127, 130, 135, 142, 153, 165

- (A) 130
- (B) 142
- (C) 153
- (D) 165

20. If BLOOD is coded as 24113 and BRUST as 20678, then code for ROBUST is:

- (A) 620781
- (B) 012678
- (C) 678102
- (D) 610732

21. In a certain code, FHQK means GIRL. How will WOMEN be written in the same code?

- (A) VNLDM
- (B) FHQKN
- (C) XPNFO
- (D) VLNDM

22. If the series 4, 5, 8, 13, 14, (7, 22, is continued in the same pattern, which one of the following is not a term of this series?

- (A) 31
- (B) 32
- (C) 33
- (D) 35

23. Which of the following replaces the Question Mark?

4, 6, 12, 14, 28, 30, ?

- (A) 40
- (B) 38
- (C) 48
- (D) 60

24. The ratio between the speeds of two trains is 7:8. If the second train runs 440 kms in 4 hours, then the speed of the first train is:
- (A) 45.12
  - (B) 38.42
  - (C) 96.25
  - (D) 52.89
25. In covering a distance of 30 km, A takes 2 hours more than B. If A doubles his speed, then he would take 1 hour less than B. A's speed is:
- (A) 9
  - (B) 6
  - (C) 12
  - (D) 5
26. In a flight of 600 km, an aircraft was slowed down due to bad weather. Its average speed for the trip was reduced by 200 km/hr and the time of flight increased by 30 minutes. The duration of the flight is:
- (A) 2 hr
  - (B) 3 hr
  - (C) 1 hr
  - (D) 4 hr
27. A train 150 m long is running at a speed of 68 kmph. How long does it take to pass a man who is running at 8 kmph in the same direction as the train?
- (A) 9 sec
  - (B) 12 sec
  - (C) 10 sec
  - (D) 8 sec
28. A and B are working on an assignment. A takes 6 hours to type 32 pages on a computer, while B takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 100 pages?
- (A) 4 hr 30 minutes
  - (B) 7 hr 30 minutes
  - (C) 5 hr 20 minutes
  - (D) 6 hr 15 minutes

29. If 30% of a number is 12.6, find the number.

- (A) 32
- (B) 35
- (C) 34
- (D) 42

30. What number must be added to 6, 16 and 8 to get an average of 13?

- (A) 25
- (B) 26
- (C) 22
- (D) 28

31. A student is ranked 15<sup>th</sup> from right and 8<sup>th</sup> from left. How many students are there in total?

- (A) 10
- (B) 20
- (C) 30
- (D) 25

32. Find the area of a right angled triangle whose hypotenuse is 10 cm and base 8 cm.

- (A) 22
- (B) 24
- (C) 26
- (D) 32

33. In a class of 100 students, 50 students passed in Mathematics and 70 passed in English, 5 students failed in both Mathematics and English. How many students passed in both the subjects?

- (A) 35
- (B) 45
- (C) 40
- (D) 25

34. Water is filled in a cylindrical vessel in such a way that its volume doubles after every five minutes. If it takes 30 minutes for the vessel to be full, then the vessel will be one fourth full in
- (A) 18 minutes
  - (B) 25 minutes
  - (C) 20 minutes
  - (D) 35 minutes
35. A can type 10 pages in 5 minutes. B can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?
- (A) 75
  - (B) 80
  - (C) 70
  - (D) 65
36. The perimeter of a rectangular field is 480 meters and the ratio between the length and breadth is 5:3. The area of the field is
- (A) 12000 m<sup>2</sup>
  - (B) 12500 m<sup>2</sup>
  - (C) 13500 m<sup>2</sup>
  - (D) 14000 m<sup>2</sup>
37. The sum of the digits of a two digit number is 12. If the new number formed by reversing the digit is greater than the original number by 54, then what will be the original number?
- (A) 35
  - (B) 39
  - (C) 37
  - (D) 42
38. If the fractions  $\frac{8}{5}$ ,  $\frac{7}{2}$ ,  $\frac{9}{5}$ ,  $\frac{5}{4}$ ,  $\frac{4}{5}$  are arranged in descending order of their values, which one will be the fourth?
- (A)  $\frac{7}{2}$
  - (B)  $\frac{5}{4}$
  - (C)  $\frac{4}{5}$
  - (D)  $\frac{9}{5}$



39. A shopkeeper purchased 200 bulbs for Rs. 10 each. However, 5 bulbs were fused and had to be thrown away. The remaining were sold at Rs. 12 each. What will be the percentage profit?
- (A) 17  
(B) 20  
(C) 22  
(D) 19
40. What is the sum of two consecutive even numbers, the difference of whose squares is 84?
- (A) 45  
(B) 43  
(C) 42  
(D) 49
41. A candidate appearing for an examination has to secure 40% marks to pass paper I. But he secured only 40 marks and failed by 20 marks. What is the maximum mark for paper I?
- (A) 200  
(B) 150  
(C) 100  
(D) 250
42. When you reverse the digits of age of father, you will get the age of son. One year ago the age of father was twice that of son's age. What are the current ages of father and son?
- (A) 47 and 74  
(B) 35 and 53  
(C) 57 and 73  
(D) 24 and 42
43. Three numbers are in the ratio of 3:4:5 respectively. If the sum of the first and third numbers is more than the second number by 52, then which will be the largest number?
- (A) 65  
(B) 45  
(C) 58  
(D) 69

44. What is 50% of 40% of Rs. 3,450?

- (A) 680
- (B) 640
- (C) 690
- (D) 700

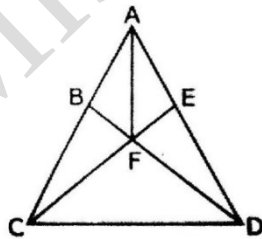
45. A person lost 10% when he sold goods at Rs. 153. For how much should he sell them to gain 20%?

- (A) 252
- (B) 208
- (C) 204
- (D) 206

46. The ratio of the number of boys and girls in a college is 7:8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?

- (A) 21:22
- (B) 23:24
- (C) 25:26
- (D) 32:33

47. How many triangles are there in the above figure?



- (A) 11
- (B) 13
- (C) 12
- (D) 15

48. Every time a man hits the target he gets one rupee and every time he misses the target he has to pay the rupee. He is allowed to try 100 times and gets an amount of Rs. 30. How many times did he hit the target?
- (A) 55  
(B) 60  
(C) 70  
(D) 65
49. A coin is placed on a plain paper. How many coins of the same size can be placed around it so that each of the coins touches its adjacent ones?
- (A) 4  
(B) 6  
(C) 5  
(D) 7
50. In a mixture of 60 litres, the ratio of milk and water is 2:1. If the ratio is to be 1:2, then the quantity of water to be further added is:
- (A) 60  
(B) 50  
(C) 40  
(D) None of the above
51. How many minimum number of colours will be required to paint all the sides of a cube without the adjacent sides having the same colours?
- (A) 2  
(B) 6  
(C) 4  
(D) 5

52. The number which is opposite to side 3 is



- (A) 5
- (B) 4
- (C) 6
- (D) 2

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53. What least number among the following must be added to 1056, so that the sum is completely divisible by 23?
- (A) 3
  - (B) 2
  - (C) 4
  - (D) 5
54. The largest 4 digit number exactly divisible by 88 is
- (A) 9944
  - (B) 9988
  - (C) 8888
  - (D) 9768
55. The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number?
- (A) 230
  - (B) 250
  - (C) 240
  - (D) 270
56. How many natural numbers are there between 23 and 100 which are exactly divisible by 6?
- (A) 12
  - (B) 11
  - (C) 13
  - (D) 14
57. If the number  $97215 * 6$  is completely divisible by 11, then the smallest whole number in place of \* will be:
- (A) 5
  - (B) 4
  - (C) 2
  - (D) 3

58. A number when divided by 627 leaves a remainder 43. By dividing the same number by 19, the remainder will be?

- (A) 5
- (B) 6
- (C) 8
- (D) 9

59. Soniya got married 7 years ago. Her present age is  $\frac{6}{5}$  times her age at the time of marriage. Her brother was 5 years younger to her at the time of marriage. What is the age of her brother at present?

- (A) 47
- (B) 38
- (C) 37
- (D) 32

60. A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950 gm for a kg. His gain is .....%

- (A) 6.3
- (B) 6.8
- (C) 5.3
- (D) 4.2

61. **Direction:** Choose the most appropriate meaning (Synonym) for the underlined word

Climbing a mountain during freezing winter was an audacious attempt by the mountaineering team

- (A) bold
- (B) useless
- (C) crazy
- (D) fearful

62. Direction: Choose the most **appropriate meaning (Synonym)** for the underlined word

The father bought a new sports car to placate the anger of his son

- (A) please
- (B) help
- (C) aggravate
- (D) appease

63. Choose the word ***opposite (Antonym)*** in meaning to the given word

DESERTER

- (A) Sympathiser
- (B) Favourite
- (C) Loyalist
- (D) Flatterer

64. Choose the word ***opposite (Antonym)*** in meaning to the given word

EPHEMERAL

- (A) eternal
- (B) permanent
- (C) spiritual
- (D) deflated

65. Choose the word ***opposite (Antonym)*** in meaning to the given word

SCHISM

- (A) division
- (B) harmony
- (C) rhythm
- (D) union

66. Choose the word *opposite (Antonym)* in meaning to the given word

ERRATIC

- (A) punctual
- (B) right
- (C) regular
- (D) free

67. Choose the appropriate form of '*be*' verb

Neither you nor I \_\_\_\_\_ to be blamed

- (A) is
- (B) am
- (C) are
- (D) were

68. Choose the appropriate form of '*be*' verb

The crowd \_\_\_\_\_ ecstatic when they saw Maradona.

- (A) was
- (B) is
- (C) are
- (D) were

69. Choose the appropriate form of '*be*' verb

India \_\_\_\_\_ independent since 1947

- (A) is
- (B) has been
- (C) was
- (D) have

70. Choose the appropriate form of '*be*' verb

One of the mangoes \_\_\_\_\_ sour

- (A) is
- (B) are
- (C) were
- (D) None of the above



71. Choose the appropriate form of '**be**' verb

I \_\_\_\_\_ living in Singapore since 2000.

- (A) has been
- (B) have been
- (C) am
- (D) are

72. Choose the appropriate **collective noun** from the choices given below

A \_\_\_\_\_ of bees

- (A) group
- (B) bunch
- (C) swarm
- (D) flight

73. Choose the appropriate **collective noun** from the choices given below

A \_\_\_\_\_ of fish

- (A) school
- (B) crowd
- (C) cluster
- (D) nest

74. Choose the appropriate **collective noun** from the choices given below

A \_\_\_\_\_ of puppies

- (A) litter
- (B) babies
- (C) kid
- (D) None of the above

75. Choose the appropriate *collective noun* from the choices given below

A \_\_\_\_\_ of corn

- (A) bunch
- (B) cluster
- (C) sheaf
- (D) None of the above

76. **Direction: Fill up the blanks**

When the mother went to pick up her daughter from school she \_\_\_\_\_ in the swing.

- (A) was playing
- (B) is playing
- (C) is played
- (D) played

77. **Direction: Fill up the blanks**

By this time next year Ajay \_\_\_\_\_ graduated from college

- (A) will have
- (B) has been
- (C) have been
- (D) was

78. **Direction: Fill up the blanks**

Paul \_\_\_\_\_ to work every day in the Vaigai Express

- (A) go
- (B) goes
- (C) going
- (D) has gone

79. **Direction: Fill up the blanks**

When I was a child I \_\_\_\_\_ to school every day

- (A) walk
- (B) walked
- (C) walking
- (D) None of the above

80. **Direction: Fill up the blanks**

She \_\_\_\_\_ in a bus when she met her classmate.

- (A) travel
- (B) was travelling
- (C) has travel
- (D) None of the above

81. Choose the *appropriate preposition*

Go \_\_\_\_ with your story, it is so exciting.

- (A) up
- (B) out
- (C) on
- (D) off

82. Choose the *appropriate preposition*

At last he gave \_\_\_\_ to his enemies.

- (A) out
- (B) in
- (C) up
- (D) by

83. Choose the *appropriate preposition*

We are in favour \_\_\_\_ postponing the trip.

- (A) to
- (B) on
- (C) out
- (D) off

84. Choose the *appropriate preposition*

I was sitting \_\_\_\_ my two sisters while playing cards.

- (A) between
- (B) behind
- (C) beneath
- (D) over

85. Choose the *appropriate preposition*

\_\_\_\_ Geeta, none has cleared the UPSC exams

- (A) besides
- (B) beside
- (C) beyond

- (D) by
86. Choose the appropriate choice for the given **idiom**

*storm in the tea cup*

- (A) making big of trivial thing
- (B) downplaying an important thing
- (C) tea cup broken in storm
- (D) None of the above

87. Choose the appropriate choice for the given **idiom**

*gift of the gab*

- (A) impressive speaker
- (B) dull speaker
- (C) mending the gap
- (D) None of the above

88. Choose the appropriate choice for the given **idiom**

*Red herring*

- (A) side tracking from the main issue
- (B) double meaning
- (C) cooking a herring
- (D) None of the above

89. Choose the appropriate choice for the given **idiom**

*to take with a pinch of salt*

- (A) to spoil relations
- (B) to put salt
- (C) not to believe completely
- (D) None of the above

90. Choose the appropriate choice for the given **idiom**

*to blow your trumpet*

- (A) to boast
- (B) to shout
- (C) to make a loud noise

- (D) None of the above  
91. Choose the appropriate *Question Tag*

Let us go for a walk, \_\_\_\_\_?

- (A) aren't we
- (B) do we
- (C) don't we
- (D) Shall we?

92. Choose the appropriate *Question Tag*

I am not fine, \_\_\_\_\_?

- (A) aren't I
- (B) do I
- (C) are I
- (D) am I

93. Choose the appropriate *Question Tag*

Send him a telegram, \_\_\_\_\_?

- (A) won't you
- (B) will you
- (C) will he
- (D) won't he

94. Choose the appropriate *Question Tag*

He believes in superstitions \_\_\_\_\_?

- (A) does he
- (B) doesn't he
- (C) isn't he
- (D) is he

95. Choose the appropriate *Question Tag*

I believe in the right to equal education for women, \_\_\_\_\_?

- (A) do I
- (B) don't I
- (C) did I

(D) didn't I

96. Change the following into **Direct Speech**

The teacher asked the students what they were studying in the library

- (A) The teacher asked the students, "What were you studying in the library?"
- (B) The teacher asked the students, "What are you studying in the library?"
- (C) The teacher asked the students, "What you studied in the library?"
- (D) The teacher asked the students, "Were you studying in the library?"

97. Change the following into **active voice**

Rita will be invited by Stella

- (A) Stella will invite Rita
- (B) Rita will have been invited by Stella.
- (C) Rita will want to be invited by Stella
- (D) Rita will be wanting to be invited by Stella.

98. Change the following into **assertive sentence**

Why waste time in whatsapp and facebook?

- (A) Do not waste time in whatsapp and facebook
- (B) You should waste time in whatsapp and facebook.
- (C) You cannot waste time in whatsapp and facebook
- (D) None of the above

99. **Direction:** Spot the error and mark the right option.

Take it from me, I couldn't hardly believe (1) what anyone of them (2) had said (3).

- (A) 1
- (B) 2
- (C) 3
- (D) No error

100. **Direction:** Spot the error and mark the right option.

Because of (1) the harsh winter, which had seemingly overstayed, (2) there were scarcely some flowers (3) in the garden.

- (A) 1
- (B) 2
- (C) 3
- (D) No error

101. **Direction:** Spot the error and mark the right option.

The Ganges has(1) overflowed its(2) banks and each (3)of the four villages are(4) flooded.

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

102. **Direction:** Pick out the pair which *does not fit in* with others.

- (A) Elephant - Trumpet
- (B) Horses - Neigh
- (C) Camels - Roar
- (D) Dogs - Bark

103. **Direction:** Pick out the pair which *does not fit in* with others.

- (A) Oil - Lamp
- (B) Water - Ice
- (C) Wood - Table
- (D) Silk - Shirt

104. **Direction:** **Choose the corresponding word from the options below.**

warm : hot :: hilarious : \_\_\_\_\_

- (A) humid
- (B) summer
- (C) amusing



- (D) loud
105. Direction: **Choose the corresponding word from the options below.**
- architect : building :: sculptor : \_\_\_\_\_
- (A) museum  
(B) stone  
(C) chisel  
(D) statue
106. Among five boys. Vasant is taller than Manohar, but not as tall as Raju. Jayant is taller than Dutta, but shorter than Manohar. Who is the tallest in the group?
- (A) Raju  
(B) Manohar  
(C) Vasant  
(D) Cannot be determined
107. There are five friends. They are standing in a row facing south. Jayesh is to the immediate right of Alok. Pramod is between Bhagat and Subodh. Subodh is between Jayesh and Pramod. Who is in the middle?
- (A) Bhagat  
(B) Jayesh  
(C) Pramod  
(D) Subodh
108. In the series 5, 10, 20, 40, ... what will be the 10<sup>th</sup> term?
- (A) 1280  
(B) 2560  
(C) 1020  
(D) 2650
109. A watch shows 4.30. If the minute hand points to east, in what direction will the hour hand point?
- (A) North-West  
(B) South-East  
(C) North-East  
(D) North

110. In a certain code language, if the number 1 is assigned to all the letters in odd numbered places in the alphabet and the remaining letters are assigned the number 2, then what is the code for the word 'DANCE'?

- (A) 21211
- (B) 12121
- (C) 22111
- (D) 21121

111. Statement:

Mr. Ranjan dissatisfied with present salary and perks, joins another company.

Assumptions:

- I. The new company gives to all their employees good salary.
  - II. Present company runs in loss.
- (A) if only assumption I is implicit
  - (B) if only assumption II is implicit
  - (C) if either I or II is implicit
  - (D) if neither I nor II is implicit

112. Two statements are given below identify the cause and effect

Statement (1): An earthquake of magnitude 8.2 rocked the islands of Maldives.

Statement (2): A devastating Tsunami struck the coastal belt of Maldives.

- (A) if statement (1) is the cause and statement (2) is its effect
- (B) if statement (2) is the cause and statement (1) is its effect
- (C) if both the statements (1) and (2) are independent causes
- (D) if both the statements (1) and (2) are effects of independent causes

113. For the Question given below has a problem and two statements numbered I and II giving certain information. You have to decide if the information given in the statements is sufficient for answering the problem how is D related to A?

I. B is the brother of A.

II. B is D's son.

- (A) if the data in statement I alone are sufficient to answer the question
- (B) if the data in statement II alone are sufficient to answer the question
- (C) if the data either in I or II alone are sufficient to answer the question
- (D) if the data in both the statements together are needed

114. Akshar, Brinda, Cathy and Dinesh are four friends who live in the same area and work for the children in a nearby slum. One of them cooks the children's breakfast and each of the other three teach a different subject from mathematics, reading and writing and drawing. They study mechanical engineering, psychology, medicine and economics. Neither the economics nor the psychology student cooks breakfast. Brinda does not teach reading and writing. Dinesh is the medical student, and he does not cook breakfast. Cathy teaches drawing. Akshar studies mechanical engineering. Who teaches mathematics?

- (A) Akshar
- (B) Brinda
- (C) Cathy
- (D) Dinesh

115. There are five friends, Sachin, Kunal, Mohit, Anuj and Rohan. Sachin is shorter than Kunal but taller than Rohan. Mohit is tallest. Anuj is a little shorter than Kunal and little taller than Sachin. Who is the shortest?

- (A) Rohan
- (B) Sachin
- (C) Anuj
- (D) Kunal

116. Find the odd one out

- (A) beans : pulse
- (B) legumes : nodules
- (C) tea : beverage
- (D) rice : cereals

117. Pointing to a man in a photograph, a woman said, His brother's father is the only son of my grandfather. How is the woman related to that man in the photograph?

- (A) Mother
- (B) Sister
- (C) Aunt
- (D) Daughter

118. A bag contains 50 P, 25 P and 10 P coins in the ratio 5:9:4, amounting to Rs. 206. Find the number of coins of each type respectively.

- (A) 160, 300, 200
- (B) 200, 360, 160
- (C) 300, 200, 160
- (D) 360, 160, 200

119. A man spends 35% of his income on food, 25% on children's education and 80% of the remaining on house rent. What percent of his income he is left with?

- (A) 8%
- (B) 6%
- (C) 10%
- (D) 5%

120. In how many different ways can the letters of the word 'POVERTY' be arranged?

- (A) 5024
- (B) 5040
- (C) 5064
- (D) 5078

121. Four thermal heaters 'a', 'b', 'c' and 'd' are used in the R & D department of Raliance chemicals Ltd. Only one heater can be used on any day. If heater 'a' is used on any day, neither 'a' nor 'c' can be used the next day. If heater 'c' is used on any day, neither 'c' nor 'd' can be used on the next day. If heater 'c' is used on any day, then 'a' has to be used the next day. If heater 'd' is used on any day, then 'b' has to be used the next day. If heater 'd' is used on the third day and different heaters are used on first and fourth day, which heater is used on the first day?

- (A) d
- (B) a
- (C) b
- (D) c

122. A vertical toy 18 cm long casts a shadow 24 cm long on the ground. At the same time a pole casts a shadow 48 m long on the ground. Then find the height of the pole.

- (A) 108 cm
- (B) 180 cm
- (C) 118 cm
- (D) 162 cm

123. Which of the following replaces the Question Mark?

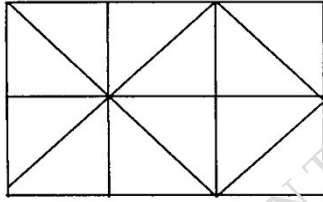


- (A) 13
- (B) 11
- (C) 10
- (D) 6

124. Look at this series: J14, L16, \_\_, P20, R22, ... What number should fill the blank?

- (A) S24
- (B) N18
- (C) M18
- (D) T24

125. How many squares does the figure have?



- (A) 6
- (B) 9
- (C) 7
- (D) 10

**Direction (Question No. 126 -128):** Read the following data and answer the question given below

In a seven-storey building, having floors numbered one to seven, **P,Q,R,S,T** and **V** each live on a different floor. (The Ground Floor is numbered floor No.1, the floor above it, floor No.2 and so on). One of the floors in the building is vacant. **P** lives on the fifth floor. No floor below fifth floor is vacant; also no odd numbered floor is vacant. Only **S** lives between **T** and **V**. **T** does not live on an odd numbered floor. **T** does not live on a floor immediately above or immediately below **R**'s floor. **Q** does not live on the bottom most floor.

126. Who lives on the top most floor?

- (A) Q
- (B) S
- (C) R
- (D) V

127. On which of the following floors does R Live?

- (A) Seventh
- (B) Sixth
- (C) Third
- (D) First

128. Which of the following floors is vacant?

- (A) Seventh
- (B) Sixth
- (C) Third
- (D) Second

129. Pointing to a person, Raju said "He is the only brother of my father's mother's daughter."  
How is the person related to Raju?

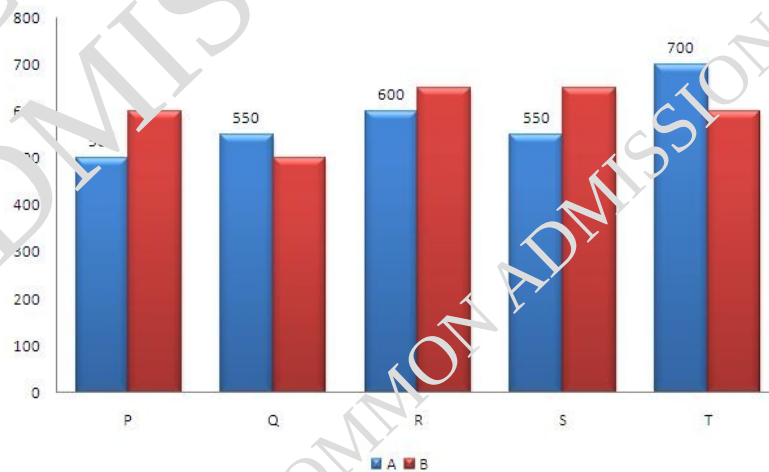
- (A) Brother
- (B) Father
- (C) Uncle
- (D) Nephew

130. In a certain code,  
'il be pee' means 'roses are blue'  
'sikhee' means 'red flowers' and  
'peemithee' means 'flowers are vegetables.'  
How is 'red' written in that code?

- (A) hee
- (B) sik
- (C) be
- (D) cannot be determined

**Direction (Question No. 131 – 135):** Study the following graph carefully and answer the questions that follow:

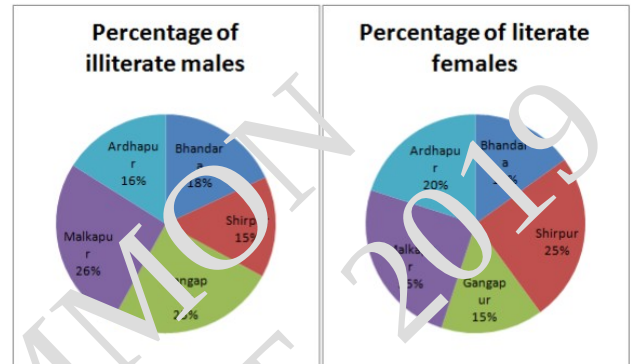
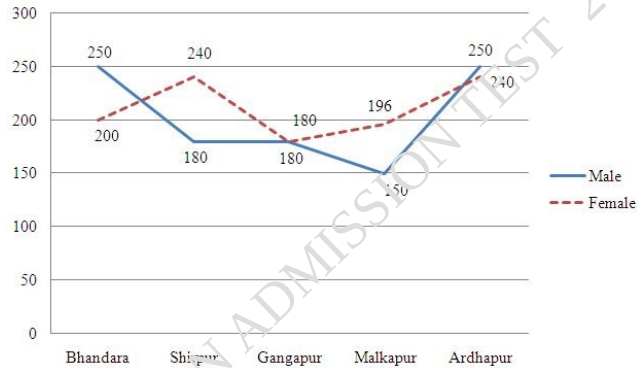
The graph given below represents the number of users of two broadband services A and B across 5 cities P, Q, R, S and T.



131. What is the total number of users of brand B across all given cities together?
- (A) 2700
  - (B) 3000
  - (C) 3100
  - (D) 2900
132. The number of users of brand A in city T is what percent of the number of users of brand B in city Q?
- (A) 150
  - (B) 110
  - (C) 140
  - (D) 160
133. What is the average number of users of brand A across all five cities together?
- (A) 560
  - (B) 570
  - (C) 580
  - (D) 590
134. What is the difference between the total number of users of brand A and B together in city R and the total number of users of brand A and B together in city P?
- (A) 170
  - (B) 140
  - (C) 130
  - (D) 150
135. What is the respective ratio of the number users of brand A in city P to the number of users of brand B in city S?
- (A) 5 : 6.5
  - (B) 4 : 7
  - (C) 2 : 5
  - (D) 3 : 4



**Direction (Question No. 136 – 140):** Following graph shows the number of males and females in 5 different villages in Maharashtra.



136. What is the total number of illiterate female in Gangapur Village?

- (A) 150
- (B) 163
- (C) 143
- (D) 153

137. The illiterate female in Bhandara Village is what percent more than that in Malkapur Village?

- (A) 11.8%
- (E) 15.6%
- (C) 12.8%
- (D) 17.2%

138. What is the total number of literate male?

- (A) 814
- (E) 906
- (C) 844
- (D) 794

139. The literate females in Shirpur Village is what percent more than the illiterate males in Gangapur Village?

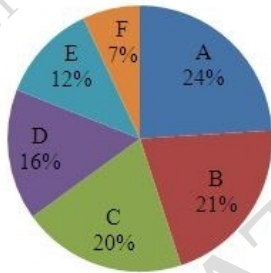
- (A) 17.33%
- (B) 45.66%
- (C) 50.33%
- (D) 33.33%

140. What is the total number of illiterate females?

- (A) 802
- (B) 838
- (C) 842
- (D) 876

**Direction (Question Nos 141-145):** The pie-chart shows the distribution of the total number of students studying medical courses from 6 colleges and the table shows the ratio of male to female students and the ratio of MBBS to MD students.

**Total students = 4,00,000**



College	Male : Female	MBBS:MD
A	7 : 5	3 : 1
B	3 : 1	4 : 1
C	5 : 2	5 : 3
D	5 : 3	13 : 3
E	9 : 7	2 : 1
F	4 : 3	5 : 2

141. What is the difference between the number of MBBS students in college A and college E?

- (A) 20000
- (B) 30000
- (C) 40000
- (D) 25000

142. What is the ratio of female students of college C to those of college D?

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

143. What is the number of female students of college E who were studying MBBS?

- (A) 24000
- (B) 23000
- (C) 21000
- (D) Can't be determined

144. The number of MD students from college A is what per cent more than the number of MBBS students from college F?

- (A) 12%
- (B) 15%
- (C) 20%
- (D) 8%

145. The number of female students in college B is what per cent of the number of male students in college E?

- (A) 72.5%
- (B) 77%
- (C) 82%
- (D) 87.75%

**Directions (Question No. 146-147):** Read the following passage and answer the question below:

I opened the bag and packed the boots in; and then, just as I was going to close it, a horrible idea occurred to me. Had I packed my toothbrush? I don't know how it is, but I never do know whether I've packed my toothbrush. My toothbrush is a thing that haunts me when I'm travelling, and makes my life a misery, I dream that I haven't packed it, and wake up in a cold perspiration, and get out of bed and hunt for it. And, in the morning, I pack it before I have used it, and it is always the last thing I turn out of the bag; and then repack and forget it, and have to rug upstairs for it at the last moment and carry it to the railway station, wrapped up in my pocket-handkerchief.

146. What makes his life miserable whenever he undertakes travelling?

- (A) Going to railway station
- (B) Forgetting the toothbrush
- (C) Packing his bag
- (D) Bad dreams

147. His toothbrush is finally

- (A) in his bag
- (B) in his bed
- (C) in his handkerchief
- (D) lost

**Directions (Question No. 148-150):** Read the following passage and answer the question below:

In spring, polar bear mothers emerge from dens with three month old cubs. The mother bear has fasted for as long as eight months but that does not stop the young from demanding full access to her remaining reserves. If there are triplets, the most persistent stands to gain an extra meal and it may have the meal at the expense of others. The smallest of the litter forfeits many meals to stronger siblings. Females are protective of their cubs but tend to ignore family rivalry over food. In 21 years of photographing polar bears, I've only once seen the smallest of triplets survive till autumn.

148. Female polar bears give birth during

- (A) spring
- (B) summer
- (C) autumn
- (D) winter

149. Mother bear

- (A) takes sides over cubs
- (B) lets the cubs fend for themselves
- (C) feeds only their favourites
- (D) sees that all cubs get an equal share

150. How often has the smallest of the triplets survived till autumn in his experience according to the photographer?

- (A) Once in 3 years
- (B) Once in 21 years
- (C) None at all
- (D) Every year.

**B.VOC - ANSWER KEY****TEST CODE: 103**

QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY	QN. NO.	KEY
1	B	26	C	51	A	76	A	101	D
2	A	27	A	52	C	77	A	102	C
3	B	28	B	53	B	78	B	103	A
4	B	29	D	54	A	79	B	104	C
5	C	30	C	55	D	80	B	105	D
6	B	31	B	56	C	81	C	106	A
7	C	32	B	57	D	82	B	107	D
8	C	33	D	58	A	83	B	108	B
9	C	34	C	59	C	84	A	109	C
10	A	35	A	60	C	85	A	110	A
11	A	36	C	61	A	86	A	111	D
12	B	37	B	62	D	87	A	112	A
13	A	38	B	63	C	88	A	113	D
14	C	39	A	64	B	89	C	114	B
15	A	40	C	65	B	90	A	115	A
16	B	41	B	66	C	91	D	116	B
17	C	42	C	67	B	92	D	117	B
18	A	43	A	68	A	93	B	118	B
19	D	44	C	69	B	94	B	119	A
20	B	45	C	70	A	95	B	120	B
21	C	46	A	71	B	96	B	121	D
22	C	47	C	72	C	97	A	122	A
23	D	48	D	73	A	98	A	123	A
24	C	49	B	74	A	99	A	124	B
25	D	50	A	75	C	100	C	125	B

<b>QN. NO.</b>	<b>KEY</b>
126	A
127	D
128	B
129	B
130	B
131	B
132	C
133	C
134	D
135	A
136	D
137	B
138	A
139	D
140	C
141	C
142	D
143	D
144	C
145	B
146	B
147	C
148	D
149	B
150	B

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