

1. Find the difference between the greatest and the least number that can be written using the digits 6,2,7,4,3 each only once

- (a) 52965 (b) 53666  
(c) 52956 (d) 52659

2. Estimate the product  $5980 \times 428$  by rounding off each number to the nearest hundreds

- (a) 236000 (b) 240000  
(c) 2400000 (d) 300000

3. Three numbers are in the ratio 3:4:5 and their L.C.M is 2400. Their H.C.F is

- (a) 120 (b) 60  
(c) 80 (d) 40

4. Leela reads 25 pages of a book containing 100 pages . Lalita read  $\frac{2}{5}$  of the same book.

Who read less and by how much?

- (a) Leela, 15 pages  
(b) Lalita, 15 pages  
(c) Leela, 20 pages  
(d) Lalita, 20 pages

5.  $\left(\frac{\sqrt{625}}{11} \times \frac{14}{\sqrt{25}} \times \frac{11}{\sqrt{196}}\right)$  is equal to

- (a) 5 (b) 6  
(c) 8 (d) 11

6. Naveen bought 3m 20 cm cloth for his shirt and 2 m 5 cm cloth for his trousers. Find the total length of cloth bought by him.

- (a) 5.7 m (b) 5.25m  
(c) 4.25m (d) 5.00m

7. The least common multiple of 3,4 and 9 is

- (a) 36 (b) 12  
(c) 27 (d) 45

8. An aeroplane covers a certain distances at a speed of 240 km/h in 5 hours. To cover the

same distance in  $1\frac{2}{3}$  hours, it must travel at a speed of?

- (a) 300km/h (b) 360km/h  
(c) 600km/h (d) 720km/h

9. 'A' can lay railway track between two given stations in 16 days and 'B' can do the same job in 12 days. With the help of 'C', they did the job in 4 days only. Then, C alone can do the job in how many days?

- (a)  $9\frac{1}{5}$  days (b)  $9\frac{2}{5}$  days  
(c)  $9\frac{3}{5}$  days (d)  $9\frac{4}{5}$  days

10. In the figure, find the ratio of number of triangles to the number of circles inside the rectangle and number of squares to all the figures inside the rectangle.



- (a)  $\frac{3}{2} : \frac{2}{7}$  (b)  $\frac{3}{7} : \frac{2}{7}$   
(c)  $\frac{2}{7} : \frac{2}{7}$  (d) 3,2

11. Ram, Rahul and Rohit shared a bag of marbles. The bag contained 272 marbles. How many marbles were left over after the friends shared them equally?

- (a) 90 (b) 91  
(c) 6 (d) 2

12. Cost of 4 dozens of bananas is Rs. 60. How many bananas can be purchased for Rs. 12.50 ?

- (a) 10 (b) 15  
(c) 12 (d) 18

13. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys in

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45.15 kg. Find the average weight of all the boys in the class

- (a) 47.55 kg (b) 48 kg  
(c) 48.25kg (d) 49.25 kg

14. Manju runs around a rectangular park of length 35m and breadth 20m, Meenu runs around a square park of side 30m. Who covers less distance and by how much. If Meenu takes 4 rounds and manju takes 3 rounds completely.

- (a) Meenu, 150 m (b) Manju, 120m  
(c) Mnaju, 150m (d) Meenu, 120m

15. A photo frame is in the shape of quadrilateral with one diagonal longer than the other. Which of the following is the possible shape of the photo frame?

- (a) Square (b) Rectangular  
(c) Rhombus (d) None of these

16. The product of a non-zero whole number and its successor is always

- (a) Divisible by 3  
(b) An odd number  
(c) A prime number  
(d) An even number

17. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9% in 5 years. What is the sum?

- (a) Rs. 4462 (b) Rs. 8032  
(c) Rs. 8900 (d) Rs. 8925

18. Find the angle measure between the hands of the clock when time shows 6PM

- (a) 90° (b) 45°  
(c) 180° (d) 270°

19. Find the volume of a cube of side 6cm

- (a) 216cm<sup>3</sup> (b) 36 cm<sup>3</sup>

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- (c) 72 cm<sup>3</sup> (d) 108 cm<sup>3</sup>

20. Write Roman numeral CDXXXIX in Arabic numeral

- (a) 439 (b) 449  
(c) 529 (d) 539

21. The product of two numbers is 1296. If one number is 16 times the other, find the smaller number.

- (a) 12 (b) 16  
(c) 4 (d) 9

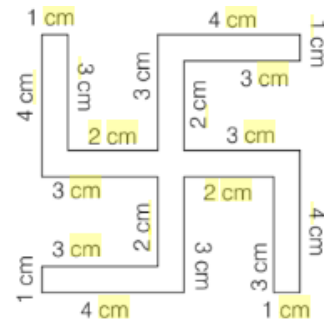
22. The measure of an angle is  $\frac{3}{4}$  of 60°. What is the measure of its complementary angle?

- (a) 30° (b) 60°  
(c) 45° (d) 20°

23. Subtract the difference of 8.362 and 7.942 from the sum of 5.675 and 1.327

- (a) 6.582 (b) 4.348  
(c) 3.982 (d) 4.384

24. Find the perimeter of the figure



- (a) 51 cm (b) 52 cm  
(c) 53 cm (d) 54 cm

25. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

- (a) 3 years (b) 4 years  
(c) 6 years (d) 5 years

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26. In a triangle, if the second angle is 2 times the first angle and the third angle is 3 times the first angle, find the angles of the triangles

- (a)  $30^\circ, 60^\circ, 90^\circ$
- (b)  $15^\circ, 30^\circ, 45^\circ$
- (c)  $45^\circ, 45^\circ, 90^\circ$
- (d)  $20^\circ, 40^\circ, 120^\circ$

27. The area of a circle is  $616 \text{ cm}^2$ . Find the diameter

- (a) 28cm
- (b) 14cm
- (c) 56cm
- (d) 32cm

28. Find the quotient when 53.016 is divided by 24.

- (a) 2.29
- (b) 2.209
- (c) 2.292
- (d) 2.029

29. A rectangular path of 60m length and 3m width is covered by square tiles of side 25cm. Find the number of tiles used to make this path?

- (a) 2250
- (b) 1440
- (c) 2880
- (d) 1200

30. What is the value of A in  $475 + 64\%$  of 950 =  $900 + A$

- (a) 183
- (b) 233
- (c) 1983
- (d) None of the above

31. What will be HCF of 216, 288 and 720?

- (a) 12
- (b) 24
- (c) 84
- (d) 72

32. Solve  $(106 \times 106 - 94 \times 94) = ?$

- (a) 24000
- (b) 2000
- (c) 1904
- (d) 1906

33. If  $\frac{2}{3}$  of 70% of 600 when subtracted from a number is 320, what is the number?

- (a) 300
- (b) 600

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- (c) 720
- (d) 500

34. A mobile phone is sold of Rs. 1650 after purchasing if for Rs. 1500. What is the percentage of profit?

- (a) 10
- (b) 15
- (c) 20
- (d) 16

35. In the first test of mathematics a student gets 18 marks out of 25. In the second test of same weightage he got 22 marks. What percentage of marks did he get more in the second test?

- (a) 4%
- (b) 8%
- (c) 16%
- (d) None of the above

36. Average of 20 results is 18. If 3 is subtracted from each result, then what will be the new average?

- (a) 21
- (b) 15
- (c) 16
- (d) 17

37. Solve  $\frac{\frac{7}{3} \times \frac{2}{3} \div \frac{3}{5}}{2 + 1\frac{2}{3}}$

- (a)  $\frac{99}{70}$
- (b)  $\frac{70}{99}$
- (c)  $\frac{33}{30}$
- (d)  $\frac{70}{27}$

38. If 90.0675 is divided by 15, then quotient is

- (a) 6.0045
- (b) 6.0450
- (c) 60.0450
- (d) 0.0645

39. How many seconds are there in 24 hours

- (a) 30
- (b) 60
- (c) 3600
- (d) 86400

40.  $\sqrt{1089 \div 121}$  value is

- (a) 3
- (b) 13
- (c) 33
- (d) 53

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41. If angles A, B and C in a triangle ABC are  $3x, 5x$  and  $8x+4$  respectively, then find all the three angles

- (a) 33,55,92                      (b) 70,75,35  
 (c) 90,75,15                      (d) 90,95,100

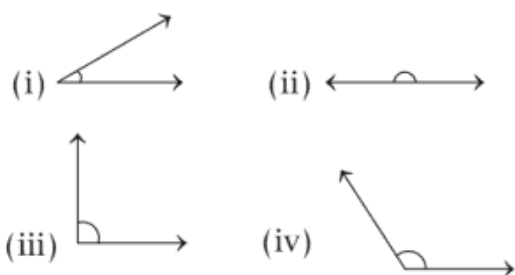
42. What are prime factors of 37800?

- (a)  $2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 7 \times 7$   
 (b)  $2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 7$   
 (c)  $8 \times 27 \times 25 \times 7$   
 (d)  $2 \times 4 \times 25 \times 27 \times 7$

43. (10% of 3.75 + 15% of 7.25) convert into decimal

- (a) 1.4625                      (b) 14.625  
 (c) 1.4652                      (d) 14.652

44. Which sequence correctly matches these angles with their measures?



- (a) (i),(iii),(iv),(ii)  
 (b) (i),(ii),(iii),(iv)  
 (c) (iv),(iii),(ii),(i)  
 (d) (i),(iv),(iii),(ii)

45. I am a prime number, If you subtract 2 from me, I become divisible by 7.

- (a) 29                      (b) 19  
 (c) 31                      (d) 23

For question from 46 to 50 the following table has to be consulted

Name of the city	Temperature at 3AM (°C)	Temperature at 3PM (°C)
Chennai	21.1	29.9
Mumbai	19.0	35.1
Thiruvananthapuram	21.6	33.5
Kolkata	13.1	26.6
Bhopal	9.8	25.9
Srinagar	1.3	8.1
Guwahati	12.8	24.8
Jaipur	10.2	23.2

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Srinagar	1.3	8.1
Guwahati	12.8	24.8
Jaipur	10.2	23.2

46. Which place had the highest temperature at 3 AM.

- (a) Chennai  
 (b) Thiruvananthapuram  
 (c) Srinagar  
 (d) Jaipur

47. Which place is the coolest at 3 PM.

- (a) Kolkata                      (b) Srinagar  
 (c) Mumbai                      (d) Bhopal

48. How much higher is the temperature in Mumbai from that of Srinagar at 3PM?

- (a) 8.1                      (b) 35.1  
 (c) 27                      (d) 29

49. How much degrees will the temperature at 3AM need to rise for it to reach 40 degree Celsius in Thiruvananthapuram

- (a) 6.5                      (b) 18.4  
 (c) 21.6                      (d) 33.5

50. How much lower is the temperature of Kolkata from that in Chennai at both times (3AM and 3PM)

- (a)  $8^\circ$  and  $3.3^\circ$                       (b)  $3^\circ$  and  $8^\circ$   
 (c)  $8^\circ$  and  $8^\circ$                       (d)  $3.3^\circ$  and  $3.3^\circ$

### SECTION-B GENERAL KNOWLEDGE

51. Black soil is also known as?

- (a) Regur Soil                      (b) Red soil

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- (c) Laterite Soil (d) Mountain Soil
52. P.V sindhu is associated with which sports?  
(a) Badminton (b) Cricket  
(c) Football (d) Hockey
53. The space programme of Government of India is looked after by  
(a) ISBT (b) NTRO  
(c) NABARD (d) ISRO
54. Bhakranangal Project is built on the river?  
(a) Sutlej (b) Mahanadi  
(c) Godavari (d) Cauvery
55. Who is known as a 'Iron Man' of India?  
(a) Jawaharlal Nehru  
(b) Mahatma Gandhi  
(c) Sardar Vallabhai Patel  
(d) Subhash Chandra Bose
56. The longest river in South India is?  
(a) Mahanadi (b) Indus  
(c) Saraswati (d) Godavari
57. Which planet is known as a morning star as well as evening star?  
(a) Mars (b) Venus  
(c) Mercury (d) Earth
58. Which Article of constitution provides Indian Citizen 'Right to Equality'?  
(a) Article 12 (b) Article 13  
(c) Article 17 (d) Article 14
59. 'Narora' nuclear power plant is located in the state of?  
(a) Maharashtra (b) Tamil Nadu  
(c) Uttar Pradesh (d) West Bengal
60. Which of the following diseases spreads through contaminated food and water?  
(a) Malaria (b) Cholera

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- (c) Dengue (d) Filariasis
61. Which is the biggest desert in the world?  
(a) Kalhari Desert  
(b) Atacama Desert  
(c) Sahara Desert  
(d) Gobi Desert
62. Manas National park is located in the state of?  
(a) Assam  
(b) Arunachal Pradesh  
(c) Himachal Pradesh  
(d) Andhra Pradesh
63. Which of these grows from the roots?  
(a) Potato (b) Ginger  
(c) Carrot (d) Sweet Potato
64. Sahyadris is also known as?  
(a) Aravali (b) Western Ghats  
(c) Himadri (d) Eastern Ghats
65. The gas filled in a weather balloons is  
(a) Neon (b) Helium  
(c) Argon (d) Oxygen
66. Growing Children need more of  
(a) Carbohydrates (b) Vitamins  
(c) Proteins (d) Fats
67. Which gas is dissolved under pressure in soft drinks?  
(a) Oxygen (b) Carbon Dioxide  
(c) Nitrogen (d) Hydrogen
68. Who is the lowest ranked Air Force Officer among these?  
(a) Wing commander (b) Group captain  
(c) Flying Officer  
(d) Flight Lieutenant
69. Which of the following is a national festival?

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- (a) Baisakhi (b) Republic day  
(c) Pongal (d) Chhath puja
70. Dr. Amartya Sen won Nobel Prize in which field?  
(a) Economics (b) Peace  
(c) Chemistry (d) Literature
71. The imaginary line drawn half way between North Pole and South Pole is called  
(a) Tropic of Cancer (b) Equator  
(c) Arctic Circle  
(d) Antarctic Circle
72. The largest Island in the world is  
(a) Australia (b) New Zealand  
(c) Greenland (d) Mozambique
73. The coldest place in world, lying in the south frigid zone is  
(a) Greenland (b) Antarctica  
(c) Australia (d) New Zealand
74. Who invented Telephone in 1876?  
(a) Alexander Graham Bell  
(b) James Hickey  
(c) Guglielmo Macron  
(d) Logie Baird
75. 'Ghoomar' is a popular folk dance of which of the following states?  
(a) Rajasthan  
(b) Madhya Pradesh  
(c) Orissa  
(d) Uttar Pradesh

## SECTION-C LANGUAGE

**Direction: (76 to 80): Read the following passage and answer the question**

Midas, the king, was a greedy person. He loved gold more than anything in the world.

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He had lots of wealth but he was never really a happy person

One day God Bacchus came to Midas. Midas had once helped god Bacchus and in return Bacchus offered him a gift. "What shall I give you to make you happy", God asked him. Midas thought for a while and then said, "Please give me the power to turn everything I touch into gold." Bacchus laughed and said, "Your wish granted As soon as the sun Rises tomorrow, you will have the golden touch."

The next morning Midas woke up, and he had his golden touch. He touched his bed, the chairs, doors, windows and all became gold Suddenly, he felt very hungry. He sat at the table but as soon as the food touched his lips, it turned into gold. So did the water. It seemed he could no longer eat or drink. After some time, his daughter came to him, when he put his hand on her, she became a gold statue. In the end, Midas became very sad and prayed God Bacchus to take away the golden touch from him'

76. What kind of man was Midas?  
(a) A greedy person (b) A great miser  
(c) a brave man (d) wise man
77. Who came to Midas one day?  
(a) God Jesus (b) God Bacchus  
(c) God Zeus (d) God
78. Why did Bacchus offer him a gift?  
(a) because he has helped God once  
(b) because he had pleased Bacchus  
(c) Because he had annoyed Bacchus  
(d) because he cared for Bacchus



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79. What was Midas' wish?

- (a) To become rich
- (b) to turn anything into gold
- (c) To turn his daughter a golden doll
- (d) To become powerful

80 Who turned into gold statue when Midas Touched?

- (a) Daughter
- (b) Son
- (c) uncle
- (d) Aunt

**Direction (81 - 83): Rearrange the following words/phrases to make meaningful sentences. Choose the correct sequence**

81. it (a)/life is (b) / what we (c) make (d)

- (a) abcd (b) cdab
- (c) dabc (d) bcda

82. gold (a)/is not (b)/ glitters (c) all that (d)

- (a) abcd (b) cdba
- (c) dabc (d) dcba

83. playing (a)/in the (b)/ park (c)/ Children are (d)

- (a) abcd (b) bcda
- (c) dabc (d) cdab

**Direction (84 - 87): Fill in the blanks with the appropriate option**

84. Either work hard \_\_\_\_ give up studies

- (a) nor (b) or
- (c) and (d) but

85. He is afraid \_\_\_\_ the dog

- (a) on (b) of
- (c) in (d) by

86. He \_\_ tea every morning

- (a) drinks (b) is drinking
- (c) drank (d) drunk

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87. The child has been missing \_\_\_\_ yesterday

- (a) for (b) of
- (c) by (d) since

**Direction (88 - 90): Choose the appropriate option of the given questions as directed in brackets**

88. John is my \_\_\_\_ brother (Find out the correct adjective)

- (a) elder (b) bigger
- (c) old (d) young

89. French is \_\_\_\_\_ easy language. (Select the correct article)

- (a) a (b) an
- (c) the (d) young

90. Ashok \_\_\_\_ him yesterday (write the correct form of the verb)

- (a) meet (b) met
- (c) will meet (d) is meeting

**Direction (91 - 93): Choose the most appropriate option**

91. Which word means nearly the same as 'sufficient'?

- (a) infinite (b) adequate
- (c) merry (d) surplus

92. Which word is the opposite of 'simple'?

- (a) complex (b) easy
- (c) obey (d) show

93. A list of books in a library

- (a) monologue (b) dialogue
- (c) catalogue (d) diary

94. Find the feminine gender of 'horse'

- (a) mare (b) doe
- (c) ewe (d) ram

95. Choose the word which means the opposite of 'RISE'

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- (a) fall (b) smooth  
(c) pride (d) rash
96. Choose the word which means same as "GRIEF"
- (a) cheerful (b) sorrow  
(c) happy (d) injury
97. One who does not believe in existence of God
- (a) theist (b) pacifist  
(c) ascetic (d) Atheist
98. The match has been postponed \_\_\_\_\_ if has been raining outside. (Supply Conjunction)
- (a) so (b) because  
(c) therefore (d) and
99. This is the boy \_\_\_\_\_ parents have died (supply correct pronoun)
- (a) whose (b) who  
(c) whom (d) his
100. He doesn't help the poor, \_\_\_\_\_ ? (use question tag?)
- (a) did he (b) does he  
(c) doesn't he (d) do he

**SECTION-D INTELLIGENCE TEST**

101. If CATTLE is related to HERO then SHEEP is related to \_\_\_\_\_

**CATTLE : HERO :: SHEEP : ?**

- (a) FLOCK (b) SWARM  
(c) SHOAL (d) MOB

102. Choose the alternative that has the same relationship to 09 as 07 has with 56

**07 : 56 :: 09 : ?**

- (a) 54 (b) 81  
(c) 72 (d) 99

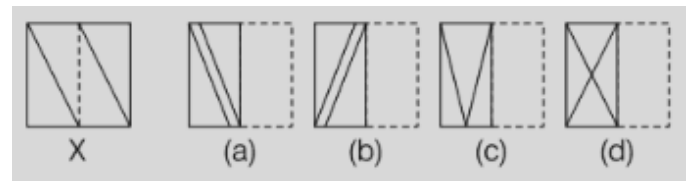
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103. Choose the alternative that will continue the number series below:-

**5, 11, 17, 23, ?**

- (a) 31 (b) 29  
(c) 28 (d) 35

104. If you fold the transparent paper along the dotted line in Figure 'X' which alternative figure from A,B,C and D would you get?



105. Choose the word which is least like the other words in the group

- (a) BAKE (b) PEEL  
(c) FRY (d) ROAST

106. Which of the following diagrams indicate the best relation between India, Haryana and World?



107. Choose the word which is least like the other words in the group

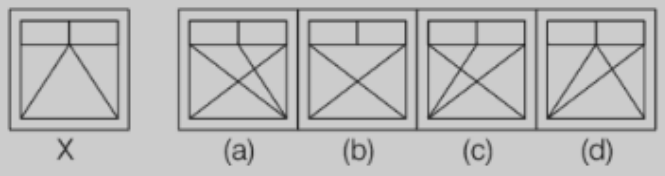
- (a) VIRGO (b) PISCES  
(c) CANCER (d) ORION

108. If STATEMENT is coded as TNEMETAS then POLITICAL will be coded as?

- (a) LACITILOP (b) LCATILIOIP  
(c) OPILITICAL (d) LACITIPOL

109. Figure 'X' is embedded in any one of the four alternative figure A,B,C or D. Find the alternative which contains figure 'X' as its part.





110. If 'A' means add, 'B' means subtract 'C' means multiply and 'D' means divide. Then what would be the answer of the equation?

$$15 \text{ D } 5 \text{ C } 2 \text{ A } 3 =$$

- (a) 13 (b) 11  
(c) 03 (d) 09

111. Five men A,B,C,D and E read a newspaper. The one who reads first gives it to C. The one who reads last had taken from A, E was not the first or last to read. There were two readers between B and A . Who read the newspaper last?

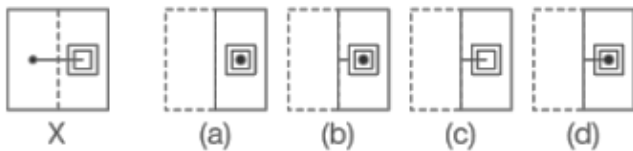
- (a) A (b) B  
(c) C (d) D

112. Choose the alternative that has the same relationship to 16 as 12 has with 168

$$12 : 168 :: 16 : ?$$

- (a) 232 (b) 256  
(c) 224 (d) 208

113. If you fold the transparent paper along the dotted line figure 'X' which alternative figure would you get?



114. If in a certain code DEAF is written as 3587 and FILE is written as 7465 then IDEAL will be written as?

- (a) 43568 (b) 43586  
(c) 63548 (d) 48536

115. Choose the word which is least like the other words in the group

- (a) PLASTIC (b) RANDOM  
(c) RESTRICT  
(d) RESTAURANT

116. If we arrange the given words in alphabetical order, which word would come at last place, chose the correct alternative?

- (a) ROBBER (b) RANDOM  
(c) RESTRICT  
(d) RESTAURANT

117. Choose the alternative that will continue the number series below:

$$11, 13, 17, 19, 23, 25, ?$$

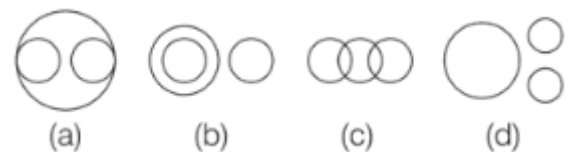
- (a) 27 (b) 29  
(c) 31 (d) 33

118. Choose the correct alternative that has the same relation to BMJ as HSY is to EPV

$$BMJ : ? :: EPV : HSY$$

- (a) DRM (b) YJG  
(c) EPM (d) EON

119. Which of the following diagrams indicate the best relation between Flower, Lotus and Rose?



120. Choose the alternative that has the same relationship to 11 as 49 has with 07

$$07 : 49 :: 11 : ?$$

- (a) 111 (b) 90  
(c) 81 (d) 121

121. Choose the word which is least like the other words in the group

- (a) GREEN (b) PINK

(c) INDIGO (d) VIOLET

122. If X is the brother of the son of Y's son ,  
how is X related to Y?

(a) Son (b) Brother  
(c) Grandson (d) Cousin

123. Area of rectangle is 48 cm<sup>2</sup>. If the length  
is 6 m then breadth = \_\_\_\_\_

(a) 13m (b) 6m  
(c) 10 m (d) 8m

124. The priest told the devotee," The temple  
bell is rung at regular intervals of 45 minutes  
The last bell was rung 5 minutes ago. The  
next bell is due to be rung at 7:45 AM'' at  
what time did the priest give this information  
to the devotee?

(a) 7:00 AM (b) 7:05 AM  
(c) 6:55 AM (d) 7:40 AM

125.If in certain code MBS is coded as ODU  
then BRL will be coded as?

(a) DTN (b) DUN  
(c) CSM (d) CTN

1.a	2. c	3. d	4. a	5. a	6. b	7. a	8. d	9. c	10. a
11. d	12. a	13. c	14. c	15. c	16. d	17. d	18. c	19. a	2 a
21. d	22. c	23. a	24. b	25. b	26. a	27. a	28. b	29. c	30. a
31. d	32. a	33. b	34. a	35. c	36. b	37. b	38. a	39. d	40. a
41. a	42. b	43. a	44. a	45. d	46. b	47. b	48. c	49. b	50. a
51. a	52. a	53. d	54. a	55. c	56. d	57. b	58. d	59. c	60. b
61. c	62. a	63. c	64. b	65. b	66. c	67. b	68. c	69. b	70. a
71. b	72. c	73. b	74. a	75. a	76. a	77. b	78. a	79. b	80. a
81. d	82. d	83. c	84. b	85. b	86. a	87. d	88. a	89. b	90. b
91. b	92. a	93. c	94. a	95. a	96. b	97. d	98. b	99. a	100. b
101. a	102. c	103. b	104. d	105. b	106. d	107. d	108. a	109. d	110. d
111. d	112. c	113. d	114. b	115. a	116. a	117. b	118. c	119. a	120. d
121. b	122. c	123. d	124. b	125. a					

