

1. What should be subtracted from 107.03 to get 96.4 ?  
 (A) 1.63 (B) 10.63  
 (C) 10.53 (D) 9.63  
 (1) A (2) C  
 (3) D (4) B
2. A polygon having seven sides is called  
 (A) Nonagon (B) Hexagon  
 (C) Heptagon (D) Octagon  
 (1) A (2) B  
 (3) D (4) C
3. What will come in place of the question mark (?) in the following number series ?  
 6 12 20 30 ? 56 72  
 (A) 40 (B) 42  
 (C) 44 (D) 48  
 (1) D (2) C  
 (3) A (4) B
4. In which year was Rowlatt Act passed?  
 (A) 1919 (B) 1921  
 (C) 1929 (D) 1916  
 (1) D (2) C  
 (3) A (4) B
5. Pointing towards a girl Rajiv said, "That girl is daughter of father of my sister's brother." How is that girl related to Rajiv ?

- (A) Mother (B) Aunt  
 (C) Sister  
 (D) Sister-in-law  
 (1) D (2) C  
 (3) A (4) B
6. Five students namely Priyanka, Mary, Asha, Sunil and Ryan are standing in a straight line. Priyanka stands ahead of Ryan. Sunil is standing between Ryan and Asha. Ryan is standing between Sunil and Mary. Who is standing first in the line?  
 (A) Asha (B) Sunil  
 (C) Ryan (D) Priyanka  
 (1) A (2) C  
 (3) B (4) D
7. A's height is  $\frac{5}{8}$ th of B's height. Find the ratio of B's height to A's height.  
 (A) 5 : 8 (B) 3 : 8  
 (C) 5 : 3 (D) 8 : 5  
 (1) D (2) B  
 (3) A (4) C
8. Find the odd one out :  
 (A) External Hard Drive  
 (B) Keyboard  
 (C) Digital Camera  
 (D) Compact Disc  
 (1) D (2) C  
 (3) B (4) A

9. Where is the Golden Temple Dambulla located  
 (A) Malaysia  
 (B) Sri Lanka  
 (C) Philippines  
 (D) Indonesia  
 (1) B (2) C  
 (3) A (4) D
10. Find the two consecutive numbers when thrice the first number is more than twice the second number by 5.  
 (A) 5 and 6 (B) 6 and 7  
 (C) 7 and 8 (D) 9 and 10  
 (1) A (2) B  
 (3) C (4) D
11. Name the boxer who nickname is "The Real Deal" ?  
 (A) Evander Holyfield  
 (B) Mike Tyson  
 (C) James Smith  
 (D) Tony Tucker  
 (1) D (2) B  
 (3) C (4) A
12. Who is a hacker ?  
 (A) Person who sells goods in street  
 (B) Person who uses computer to gain unauthorized access to data

- (C) Person who sells computer online  
(D) Person who records phone calls
- (1) D (2) C  
(3) B (4) A
13. Emperor Ashoka was successor of  
(A) Chandragupta Maurya  
(B) Bindusara  
(C) Sushatma  
(D) Dasaratha
- (1) D (2) B  
(3) C (4) A
14. 'Blunt' is related to 'Sharp' in the same way as 'Sow' is related to :  
(A) Reap (B) Seeds  
(C) Farmer (D) Crop
- (1) A (2) B  
(3) D (4) C
15. Mohan is taller than Rohan but shorter than Farhan. Kanan is shorter than Mohan but taller than Rohan. Shankar is taller than Rohan and Farhan. Who among them is the tallest ?  
(A) Mohan (B) Farhan  
(C) Shankar (D) Kanan
- (1) D (2) C  
(3) B (4) A
16. What is the measure of each of the two equal angles of the right isosceles triangle ?  
(A)  $90^\circ$  (B)  $30^\circ$   
(C)  $45^\circ$  (D)  $60^\circ$
- (1) D (2) C  
(3) A (4) B
17. The desert adjoining the Thar Desert in Pakistan is known as  
(A) Gobi (B) Sukar  
(C) Mirpur (D) Cholistan
- (1) A (2) C  
(3) B (4) D
18. The distance between point A and point B is 300 km. Two scooter riders start simultaneously from A and B towards each other. The distance between them after 2.5 hours is 25 km. The speed of one scooterist is 10 km/hr more than the other. Find the speed of each scooterist in km/hr.
- (A) 50 and 60  
(B) 30 and 40  
(C) 40 and 50  
(D) 60 and 70
- (1) D (2) C  
(3) A (4) B
19. 'Teacher' is related to 'Book' in the same way as 'Doctor' is related to  
(A) Chair  
(B) Cycle  
(C) Stethoscope  
(D) Apron
- (1) A (2) B  
(3) C (4) D
20. How many prime numbers are there between 50 and 100 ?  
(A) 6 (B) 10  
(C) 19 (D) 5
- (1) D (2) C  
(3) A (4) B
21. When did Vasco da Gama land in India ?  
(A) 1492 (B) 1498  
(C) 1602 (D) 1841
- (1) D (2) A  
(3) B (4) C
22. XXVI denotes ?  
(A) 116 (B) 496  
(C) 96 (D) 84
- (1) D (2) A  
(3) B (4) C
23. The product of two numbers is 3528 and their HCF is 28. Find their LCM.  
(A) 93768 (B) 688  
(C) 1376 (D) 3583
- (1) D (2) B  
(3) A (4) C
24. Find the odd one out in the following sequence.  
28, 44, 68, 80, 92  
(A) 28 (B) 44  
(C) 68 (D) 80
- (1) A (2) C  
(3) D (4) B
25. Who invented Penicillin?  
(A) Louis Pasteur  
(B) Alexander Fleming  
(C) William Harvey  
(D) Scott Davis
- (1) D (2) C  
(3) A (4) B
26. Arnan and Ajay separately can build a wall in 9 days and 12 days respectively. In how many days can they erect the same wall if they work together ?  
(A)  $5\frac{1}{7}$  (B)  $11\frac{1}{2}$   
(C) 2 (D) 7  
(1) A (2) D  
(3) B (4) C
27. Simplify :  $\sqrt{(1 - \sin^2 \theta) + (1 - \cos^2 \theta)}$   
(A)  $\cot \theta$  (B)  $\tan \theta$   
(C)  $\sec \theta$  (D)  $\operatorname{cosec} \theta$
- (1) D (2) A  
(3) B (4) C
28. If  $\text{COW} = 41$ ,  $\text{GOAT} = 43$ , then  $\text{DOG} = ?$   
(A) 47 (B) 38  
(C) 25 (D) 26  
(1) C (2) B  
(3) A (4) D
29. Karnam Malleshwari is associated with which sports?  
(A) Shooting  
(B) Golf  
(C) Weightlifting  
(D) Boxing
- (1) D (2) B  
(3) A (4) C
30. World Tuberculosis Day is celebrated on  
(A) 24th March  
(B) 26th March  
(C) 28 February  
(D) 2 April
- (1) A (2) C  
(3) D (4) B
- Directions (31-33) :** Study the following information carefully and answer the questions given below :
- In a class of 40 students, 28 students speak Tamil and 20 students speak Telugu. All students speak at least one of the two languages.
31. Find the number of students who can speak only Tamil ?  
(A) 8 (B) 20  
(C) 12 (D) 14  
(1) B (2) C  
(3) A (4) D

32. Find the number of students who can speak only Telugu ?

- (A) 8 (B) 10  
(C) 12 (D) 14  
(1) C (2) B  
(3) D (4) A

33. Find the minimum number of students who can speak both Tamil and Telugu ?

- (A) 12 (B) 15  
(C) 8 (D) 22  
(1) B (2) C  
(3) D (4) A

34. 'Circle' is related to 'Circumference' in the same way as 'Square' is related to

- (A) Sides (B) Area  
(C) Perimeter (D) Diagonal  
(1) A (2) D  
(3) C (4) B

35. In a certain code language AMERICA is written as 1734651 and INDIA is written as 68961. How will CANADA be written in the same code language ?

- (A) 718181 (B) 518181  
(C) 519681 (D) 715148  
(1) D (2) A  
(3) B (4) C

36. If all the numbers given below are arranged in descending order which number will come in the middle ?

- 4436, 4465, 4655, 4665, 4565  
(A) 4465 (B) 4565  
(C) 4456 (D) 4655  
(1) B (2) C  
(3) A (4) D

37. Which of the following rivers is known as the 'Sorrow of Bengal'?

- (A) Mahanadi (B) Hooghly  
(C) Damodar (D) Son  
(1) D (2) A  
(3) B (4) C

38. Arteries carries blood that are filled with

- (A) Carbon dioxide  
(B) Oxygen  
(C) Lymph  
(D) None  
(1) A (2) B  
(3) C (4) D

39. When was the Indian Constitution amended for the first time?

- (A) 1949 (B) 1951  
(C) 1952 (D) 1953  
(1) B (2) A  
(3) D (4) C

40. In a race, if you overtake the last but one contestant, at what position are you ?

- (A) Last  
(B) Third from last  
(C) Second from last  
(D) Fourth from last  
(1) B (2) C  
(3) D (4) A

41. Which of the following is correct ?

- (A) 1 Gigabyte = 1,00,000 kb  
(B) 1 Gigabyte = 1,00,00 kb  
(C) 1 Gigabyte = 10,000,00 kb  
(D) 1 Gigabyte = 10,000,000 kb  
(1) A (2) B  
(3) D (4) C

42. How many moons does Mars have?

- (A) 7 (B) 2  
(C) 1 (D) 4  
(1) D (2) C  
(3) A (4) B

43. If  $\cot A = \frac{12}{5}$ , then

- $(\sin A + \cos A) \times \csc A = ?$   
(A)  $\frac{12}{5}$  (B)  $\frac{17}{5}$   
(C)  $\frac{11}{5}$  (D) 2  
(1) B (2) A  
(3) D (4) C

44. Which of the following was the first satellite to orbit our moon?

- (A) Apollo 2 (B) Apollo 11  
(C) Luna 4 (D) Luna 10  
(1) D (2) A  
(3) C (4) B

45. What is the capital of Cyprus?

- (A) Ankara (B) Brussels  
(C) Nicosta (D) Antwerp  
(1) B (2) C  
(3) A (4) D

46. Unscramble the letters 'CCITRRE' to form a meaningful English word and find the fifth letter from the left of that word.

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

47. Which of the following words will come at the third place if all the words are arranged in alphabetical order ?

- Singer, Single, Simster, Simple  
(A) Simple (B) Single  
(C) Simster (D) Singer  
(1) C (2) A  
(3) B (4) D

48. Mirinalini Sarabhai who passed away recently was associated with

- (A) Classical dance  
(B) Singing  
(C) Writing and journalism  
(D) Acting  
(1) A (2) B  
(3) C (4) D

49. If your father is called your mother, your mother is called your brother, your brother is called your sister and your sister is called your father, how will you call your sister ?

- (A) Father (B) Mother  
(C) Brother (D) Sister  
(1) A (2) D  
(3) B (4) C

**Direction (50-52) :** Five girls are sitting in a row in front of you and all of them are facing you. Ravi and Manali are sitting to the right and left of Urja respectively. Dhruv is sitting exactly between Manali and Tanya.

50. Who among them is sitting in the middle of the row ?

- (A) Dhruv (B) Urja  
(C) Manali (D) Tanya  
(1) B (2) A  
(3) D (4) C

51. How many girls are sitting between Dhruv and Ravi ?

- (A) One (B) Two  
(C) Three (D) None  
(1) D (2) B  
(3) A (4) C

82. Who is sitting to the immediate right of Tanya ?

- (A) Dhwan (B) Urja  
(C) Manali (D) Ruhi  
(1) D (2) C  
(3) A (4) B

83. A man buys 144 oranges for Rs. 360. He sells them at the gain of 10%. At what rate per dozen should he sell them ?

- (A) Rs. 25 (B) Rs. 30  
(C) Rs. 33 (D) Rs. 36  
(1) D (2) B  
(3) A (4) C

84. Ram's present age is 4 times his son's present age. 5 years hence Ram will be thrice his son's age at that time. Find their present ages. (in years)

- (A) 60 and 15 (B) 40 and 10  
(C) 20 and 5 (D) 32 and 8  
(1) D (2) B  
(3) A (4) C

85. The  $\frac{2}{3}$ rd of the children in a school are in the age group of 1-12 years. Of these  $\frac{3}{4}$ th are in the age group of 1-8 years. Find the fraction of children in the age group of 9-12 years.

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

86. If Christmas was celebrated on Sunday in 2011, on what day it was celebrated in 2012 ?

- (A) Monday (B) Tuesday  
(C) Wednesday (D) Thursday  
(1) B (2) A  
(3) D (4) C

87. Who has given the slogan 'Do or Die' ?

- (A) Jawaharlal Nehru  
(B) Mahatma Gandhi  
(C) Subhash Chandra Bose  
(D) Sardar Patel  
(1) D (2) B  
(3) A (4) C

88. Anil bought 100 eggs at Rs. 6 per egg. He sold 25 eggs at 10% profit, another 25 eggs at 25% loss and the remaining 50 eggs at 20% profit. What is the overall profit or loss of Anil ?

- (A) 6.25% Loss  
(B) 6.25% Profit  
(C) 8% Profit  
(D) 12% Loss  
(1) A (2) B  
(3) C (4) D

89. Calculate the amount for Rs. 37,500 at the rate of 8% per annum compound interest compounded half yearly for  $1\frac{1}{2}$  years.

- (A) Rs. 42,180.40  
(B) Rs. 42,000  
(C) Rs. 42,120  
(D) Rs. 42,812.4  
(1) D (2) C  
(3) A (4) B

90. What causes Tsunami (Harbour Wave) ?

- (A) Under Sea earthquakes  
(B) Typhoons  
(C) Volcanic eruption on land  
(D) Drought  
(1) A (2) B  
(3) D (4) C

91. What are supplementary angles ?

- (A) Angles totalling 180°  
(B) Angles totalling 135°  
(C) Angles totalling 75°  
(D) Angles totalling 90°  
(1) A (2) B  
(3) C (4) D

92. What is the function of lens in our eyes ?

- (A) Lower the eyes  
(B) Send message of image to brain  
(C) Change the focal distance of the eye  
(D) Protect eyes from injury.  
(1) A (2) D  
(3) C (4) B

93. A is the son of B and is the father of C. How B is related to C ?

- (A) Father  
(B) Grandfather  
(C) Grandmother  
(D) Cannot be determined  
(1) D (2) B  
(3) A (4) C

94. Which of the following is not a memorial to dead person ?

- (A) Bibi ka Maqbara  
(B) Taj Mahal  
(C) Charminar  
(D) Imam ul Daulah  
(1) A (2) B  
(3) D (4) C

95. Name the two teams that played the first official international cricket match !

- (A) Canada and Britain  
(B) Britain and Australia  
(C) Canada and America  
(D) Britain and America  
(1) A (2) B  
(3) D (4) C

96. Who is believed to have built Konark temple ?

- (A) Narasimhadeva I  
(B) Mahendrawarman  
(C) Kharvela  
(D) Pulakesin I  
(1) A (2) B  
(3) C (4) D

97. In 2014, the \_\_\_\_\_ Lok Sabha was elected.

- (A) 13th (B) 14th  
(C) 16th (D) 17th  
(1) B (2) C  
(3) A (4) D

**Directions (98-70) :** Study the following information carefully to answer the questions given below :

Amar, Babu, Cera and Divya solved four questions, each containing four multiple choices (1), (2), (3) and (4). The answer sheet of the four candidates is given below :

Q.No.	Amar	Babu	Cera	Divya
1	2	1	1	3
2	4	3	2	4
3	3	4	3	1
4	3	2	2	4

● Babu answered all the four questions wrongly.

● The first two answers of Amar were definitely wrong.

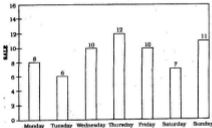
Dravya answered two questions right but the answer to question number 4 was definitely wrong.

● Amar and Cera answered only one question correctly.

66. Which of the following two questions were answered correctly by Dravya ?

- (A) Q<sub>1</sub> and Q<sub>2</sub>  
 (B) Q<sub>1</sub> and Q<sub>3</sub>  
 (C) Q<sub>2</sub> and Q<sub>3</sub>  
 (D) Q<sub>3</sub> and Q<sub>4</sub>  
 (1) C (2) B  
 (3) D (4) A

71. The Number of bicycles sold by a shopkeeper is shown below. How many bicycles were sold from Thursday to Sunday ?



- (A) 38 (B) 36  
 (C) 40 (D) 35  
 (1) D (2) A  
 (3) C (4) B

72. Which of the following is an example of single celled organism?

- (A) Protozoa  
 (B) Arthropod  
 (C) Echinoderm  
 (D) Annelid  
 (1) A (2) D  
 (3) B (4) C

73. In which state are the famous Karla Buddhist caves located?

- (A) Odisha  
 (B) Maharashtra  
 (C) Bihar (D) Assam  
 (1) A (2) B  
 (3) D (4) C

69. Who among the following answered question number 4 correctly ?

- (A) Amar (B) Babu  
 (C) Dravya (D) None  
 (1) B (2) A  
 (3) D (4) C

70. The answer to which of the following questions was marked correctly by Cera ?

- (A) Q<sub>1</sub> (B) Q<sub>2</sub>  
 (C) Q<sub>3</sub> (D) Q<sub>4</sub>  
 (1) D (2) A  
 (3) C (4) B

- (A) 0.1 litre (B) 10 litres  
 (C) 100 litres (D) 1000 litres  
 (1) B (2) C  
 (3) D (4) A

77. In India, who is executive head of the state?

- (A) President  
 (B) Governor  
 (C) Chief Minister  
 (D) The legislative assembly of the state  
 (1) D (2) C  
 (3) A (4) B

78. What is the shape of the earth?

- (A) Oblate sphere  
 (B) Perfect sphere  
 (C) Mostly flat  
 (D) Perfect hemisphere  
 (1) B (2) C  
 (3) D (4) A

79. In the acronym BRICS, the letter 'B' stands for

- (A) Bangladesh  
 (B) Bermuda  
 (C) Brazil  
 (D) Bulgaria  
 (1) A (2) B  
 (3) D (4) C

80. A tank is filled by taps X and Y separately in 5 hours and 10 hours respectively. Another tap Z can empty the same full tank in 20 hours. In how many hours can the tank be filled if all the three taps are kept open simultaneously ?

- (A) 5 (B) 4  
 (C) 7 (D) 8  
 (1) D (2) B  
 (3) A (4) C

81. In a company 10 employees get a salary of Rs. 36,300 each and 15 employees get a salary of Rs. 33,550 each. What is the average salary of the employees in the company?

- (A) Rs. 34610 (B) Rs. 34640  
 (C) Rs. 35810 (D) Rs. 32810  
 (1) B (2) C  
 (3) D (4) A

82. Find the odd one out :  
 Ostrich, Crow, Pigeon, Sparrow

74. The scientific study of preserved remains or traces of animals, plants, and other organisms from the remote past is called

- (A) Archaeology  
 (B) Numismatics  
 (C) Palaeontology  
 (D) Geology

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

75. Who invented the thermometer?

- (A) Galileo (B) Newton  
 (C) Cavendish (D) Harvey  
 (1) D (2) B  
 (3) A (4) C

76. One decalitre is equal to how many litres?

- (A) Ostrich (B) Pigeon  
(C) Sparrow (D) Crow  
(1) B (2) A  
(3) D (4) C
83. If  $(a^2 - b^2) + (a + b) = 25$  then,  
 $(a - b) = ?$   
(A) 30 (B) 25  
(C) 125 (D) 50  
(1) D (2) C  
(3) B (4) A

84. Aruna Asaf Ali is remembered for hoisting the INC flag at  
(A) Bombay (B) London  
(C) Berlin (D) Kolkata  
(1) D (2) A  
(3) C (4) B

85. A man sells a table at Rs. 4200 and incurs a loss of 25%. At what price should he sell the same table to earn a profit of 25%?  
(A) Rs. 7000 (B) Rs. 7200  
(C) Rs. 6800 (D) Rs. 6900  
(1) D (2) B  
(3) A (4) C

86. What percentage is 1 minute and 12 seconds of 1 hour?  
(A) 2% (B) 12%  
(C) 11% (D) 12%  
(1) B (2) C  
(3) A (4) D

87. What is the product of the square root of 16 and the square root of 4?  
(A) 4 (B) 8  
(C) 16 (D) 32  
(1) A (2) D  
(3) C (4) B

88. What was the name of Maharana Pratap's horse?  
(A) Chetak (B) Shera  
(C) Jivan (D) Vayu  
(1) D (2) C  
(3) B (4) A

89. Julia walked towards north from her house. After some time she turned to her left and later turned right and then she turned right. Which direction is now she facing?  
(A) West (B) East  
(C) North (D) South  
(1) A (2) D  
(3) B (4) C

90. A man travelling by bus finds that the bus crosses 35 electric poles in 1 minute. The distance between two consecutive poles is 50m. Find the speed of bus?  
(A) 100 kmph  
(B) 105 kmph  
(C) 110 kmph  
(D) 90 kmph  
(1) D (2) B  
(3) C (4) A

91. Meena took a loan of Rs. 275000 for car from a bank. She paid an interest of 8% p.a. which got settled after 3 years. At that time of settlement she gave her old scooter to the bank and paid an amount of Rs. 335000. What is the price of scooter at the time of settlement.  
(A) Rs. 60,000  
(B) Rs. 6000  
(C) Rs. 68,000  
(D) Rs. 6900  
(1) D (2) C  
(3) A (4) B

92. Kuchipudi originated from  
(A) Andhra Pradesh  
(B) Tamil Nadu  
(C) Odisha  
(D) Kerala  
(1) D (2) A  
(3) B (4) C

93. Three bells ring at the intervals of 15 minutes, 20 minutes and 30 minutes. If they ring at 11:00 am together. At what time will they ring together next time?  
(A) 11 : 30 am  
(B) 12 : 00 pm  
(C) 12 : 30 pm  
(D) 1 : 00 pm  
(1) D (2) A  
(3) B (4) C

94. Find the odd one out in the following sequence.  
1, 8, 27, 36, 125, 216  
(A) 36 (B) 125  
(C) 27 (D) 216  
(1) C (2) B  
(3) A (4) D

95. If frequency of wave increases, its wavelength  
(A) Increases  
(B) Decreases  
(C) Remains constant  
(D) Becomes infinite  
(1) A (2) B  
(3) C (4) D

96. Atomic weight of an element is compared with the atomic weight of which of the following elements?  
(A) Oxygen (B) Hydrogen  
(C) Carbon (D) Nitrogen  
(1) D (2) B  
(3) A (4) C

97. Which of the following is the smallest continent?  
(A) Africa  
(B) Antarctica  
(C) Australia  
(D) South America  
(1) A (2) B  
(3) D (4) C

98. Which of the following is known as Marsh gas?  
(A) Methane (B) Ethane  
(C) Propane (D) Butane  
(1) A (2) C  
(3) B (4) D

99. Raj scored 67, 69, 78 and 88 marks in four subjects. How many marks should he score in 5th subject to equal the overall average of 80 marks?  
(A) 89 (B) 92  
(C) 98 (D) 100  
(1) C (2) A  
(3) D (4) B

100. Study the following two statements and the two Conclusions numbered I and II. You have to assume the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the Conclusions logically follow(s) from the two given statements.

**Statements**  
Some birds are donkeys.  
All donkeys are stupids.

**Conclusions**

- I. All birds are stupid.
  - II. Some birds are stupid.
- (A) Only Conclusion I follows  
(B) Only Conclusion II follows  
(C) Both I and II follow  
(D) Neither I nor II follows
- (1) C                      (2) A  
(3) D                      (4) B