

**Directions :** For each question 4 alternatives have been given choose the best alternative.

1. The average of 9 numbers is 30. The average of first 5 numbers is 25 and that of the last 3 numbers is 35. What is the 6<sup>th</sup> number ?
2. In a class of 60, where girls are twice that of boys, Amal ranked seventeenth from the top. If there are 9 girls ahead of Amal, how many boys are after him in rank ?  
A) 3                      B) 7                      C) 12                      D) 23
3.  $\frac{2}{3}$  is what percent of  $\frac{1}{3}$  ?  
A) 50                      B) 33.33                      C) 150                      D) 200
4. The length of a train and that of a platform are equal. If with a speed of 90 km/hr. the train crosses the platform in one minute, then the length of the train (in meters) is  
A) 500                      B) 600                      C) 750                      D) 900
5. Three numbers are in the ratio of 3:4:6 and their product is 1944. The largest of these numbers is
6. The age of Anu's father is four times his age. If 5 years ago, the father's age was seven times the age of his son at that time, what is Anu's father's present age ?
7. Profit after selling a commodity for Rs. 425 is the same as the loss after selling it for Rs. 355. What is the cost of the commodity ?  
A) Rs. 385                      B) Rs. 390                      C) Rs. 395                      D) Rs. 400
8. The sum of two numbers is 40 and their difference is 4. The ratio of the numbers is  
A) 21 : 19                      B) 22 : 9                      C) 11 : 9                      D) 11 : 18

9. If the area of a triangle is  $1176 \text{ cm}^2$ . The base : corresponding altitude is 3:4, then the altitude of the triangle is  
A) 42cm                      B) 36cm                      C) 52cm                      D) 56cm
10. A and B can do a work in 6 and 12 day respectively. They began the work together but A leave after 3 days. Then the total number of days needed for the completion of the work is  
A) 4                              B) 5                              C) 6                              D) 9
11. If the Sale Price of 12 articles is equal to the cost price of 18 articles. What is profit %?  
A) 20%                      B) 40 %                      C) 50 %                      D) 60%
12. A man buys two cycles for a total cost of Rs. 900. By selling one for  $\frac{4}{5}$  of its cost and other for  $\frac{5}{4}$  of its cost, he makes a profit of Rs. 90 on whole transaction. Find the cost price of lower priced cycle.  
A) Rs. 360                      B) Rs. 250                      C) Rs. 300                      D) Rs. 420
13. The price of rice falls by 20%. How much rice can be bought now with the money that was sufficient to buy 20 kg of rice previously ?  
A) 5 kg                      B) 15 kg                      C) 25 kg                      D) 30 kg
14.  $x\%$  of  $y + y\%$  of  $x = ?$   
A) 3% of  $xy$                       B) 2% of  $xy$                       C) 5% of  $xy$                       D) None of these
15. If the price of gold increases by 30%, find by how much the quantity of ornaments must be reduced so that the expenditure may remain the same as before ?  
A)  $27\frac{2}{3} \%$                       B)  $23\frac{1}{3} \%$                       C) 30%                      D) 19%
16. If 4 examiners can examine a certain number of answer books in 8 days by working 5 hours a day, for how many hours a day would 2 examiners have to work in order to examine twice the number of answer books in 20 days.  
A) 6                              B) 7                              C) 8                              D) 9

17. In a mixture of 40 litres, the ratio of milk and water is 4:1. How much water must be added to this mixture so that the ratio of milk and water becomes 2:3 ?  
A) 20 litres                      B) 32 litres                      C) 40 litres                      D) 30 litres
18. A man goes down stream at  $x$  km/h and upstream at  $y$  km/h. The speed of the boat in still water is  
A)  $0.5(x + y)$                       B)  $0.5(x - y)$                       C)  $x + y$                       D)  $x - y$
19. By walking at  $\frac{3}{4}$  of his usual speed, a man reaches office 20 minutes later than usual. His usual time is  
A) 65 minutes                      B) 60 minutes                      C) 70 minutes                      D) None of these
20. A train 150 m long moving at a speed of 25 m/s overtakes a man moving at 5 m/s in opposite direction . The train will pass the man in  
A) 5 sec                      B) 6 sec                      C)  $4\frac{2}{7}$  sec                      D) 8 sec
21. Ganesh earns Rs. 50 on his first day and spends Rs. 20 on the next day.If he continues to earn, find the day in which he has Rs.170 in hand?  
A) 9<sup>th</sup>                      B) 10<sup>th</sup>                      C) 11<sup>th</sup>                      D) 12<sup>th</sup>
22. If A is 20% more than B and B is 30% less than C, then by what percent C is greater than A ?  
A) 23%                      B) 15%                      C) 10%                      D) 19%
23. A solution of 60 litres of acid and water contains 65% acid. How much water must be added to get a solution of 52% acid ?  
A) 20                      B) 18                      C) 15                      D) 12
24. If in 3 kg of metal, which is one- third silver and the rest aluminium, is mixed with 7 kg of another metal, which is two-seventh silver and the rest is aluminum. What is the ratio of silver to aluminium in the mixture?  
A) 3:7                      B) 7:3                      C) 1:7                      D) 2:7
25. If 5 men working 8 hours a day earn Rs. 5,000 in 15 days. Then how much will 15 men working 6 hours day earn (in Rs.) in 15 days ?  
A) 12,500                      B) 11,750                      C) 10,250                      D) 11,250

**Identify Next Number in the Series (26 – 31)**

26. 4, 9, 20, 43, .....

- A) 90                      B) 84                      C) 96                      D) 95

27. 3, 7, 13, 21, 31 .....

- A) 34                      B) 37                      C) 42                      D) 43

28. 3, 15, 35, 63, ....., 143

- A) 75                      B) 81                      C) 99                      D) 125

29. 4, 7, 12, ....., 28, 39

- A) 15                      B) 19                      C) 21                      D) 23

30. 2, 7, 14, 32, 58, .....

- A) 64                      B) 75                      C) 80                      D) 86

31. 17, 14, 15, 12, 13, .....

- A) 7                      B) 11                      C) 14                      D) 9

**Data Interpretation**

**Four Students W, X, Y, Z appeared in four papers I, II, III and IV in a test. Their scores out of 100 are given below :**

Students	Papers			
	I	II	III	IV
W	60	81	45	55
X	59	43	51	A
Y	74	A	71	65
Z	72	76	A	68

**Where A stands for absent. Read the above table and answer below mentioned questions 32 – 36.**

32. Which student has secured between 60 – 65% marks in aggregate?

- A) W                      B) X                      C) Y                      D) Z

33. Which student has obtained the lowest average in aggregate ?

- A) W                      B) X                      C) Y                      D) Z

34. Which student has obtained the highest average in aggregate ?  
A) W                      B) X                      C) Y                      D) Z
35. In which paper the lowest marks were obtained by the students ?  
A) I                      B) II                      C) III                      D) IV
36. Which student has secured the highest percentage in the papers appeared ?  
A) W                      B) X                      C) Y                      D) Z

**General Knowledge ( 37 – 50 )**

37. The International Mother Language Day is observed on which day ?  
A) February 21              B) March 12              C) April 9              D) May 6
38. Which cricketer has broken the fastest Test Century record ?  
A) Steven Smith                      B) David Warner  
C) Brandon MacCullum                      D) HasimAmla
39. For what is the Manas sanctuary in Assam is known for  
A) tiger                      B) wild bear                      C) wild ass                      D) birds
40. The term “open market operations means” sale and purchase of \_\_\_\_\_ by the Reserve Bank Of India  
A) gold                      B) government securities  
C) iron and steel                      D) foreign exchange
41. Who among the following is known as the father of “Indian Unrest” ?  
A) Mahatma Gandhi                      B) Subhas Chandra Bose  
C) Bal Gangadhar Tilak                      D) V. D. Savarkar
42. In human digestive system, Bile is secreted by  
A) pancreas                      B) liver                      C) kidneys                      D) stomach
43. In which State of India is Dogri spoken ?  
A) Orissa                      B) Assam                      C) West Bengal                      D) Jammu & Kashmir

44. Chloromycetin is a drug for :  
A) Dengu fever      B) Malaria      C) Typhoid      D) Leprosy
45. What is the currency of China?  
A) Yen      B) Yuan      C) Won      D) Som
46. Who founded Khalsa ?  
A) Guru Nanak      B) Maharaja Ranjit Singh  
C) Guru Hargobind      D) Guru Gobind Singh
47. The winner of FifaBallon d’Or 2015 was  
A) Cristiano Ronaldo      B) Gareth Bale  
C) Wayne Rooney      D) Lionel Messi
48. In which country will the 2016 Olympics be held in  
A) Spain      B) Brazil      C) China      D) Greece
49. In which country is the Leaning Tower Of Pisa situated ?  
A) France      B) Germany      C) Denmark      D) Italy
50. Which Day is UNICEF Day ?  
A) 12<sup>th</sup> January      B) 8<sup>th</sup> November      C) 5<sup>th</sup> May      D) 11<sup>th</sup> December

**Reasoning:**

51. If you count 21 letters in the English alphabet from the end and 20 letters from the beginning which letter will appear exactly in the middle of the sequence thus formed ?  
A) N      B) L      C) K      D) M
52. If with the help of 2<sup>nd</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> letters of the word ‘BRAINWASHING’, a word can be formed then write first letter of that word otherwise write X.  
A) X      B) R      C) W      D) G
53. If the letters of the word ‘RUTHLESS’ are arranged alphabetically, then which letter would be farthest from the first letter of the word?  
A) H      B) E      C) U      D) T

54. In a certain code 'CERTAIN' is coded as 'XVIGZRM'. How is 'MUNDANE' coded in that code ?  
 A) NFMWZMV      B) VMZWWMFN      C) NFMWZMX      D) NFMXZMV
55. In a certain code 'SEQUENCE' is coded as 'HVJFVMXV'. How is 'CHILDREN' coded in that code ?  
 A) XSRMWIVM      B) XSROWIVM      C) DSROWIUN      D) MVIWORSX
56. Consider the following statements :
- |                           |                             |
|---------------------------|-----------------------------|
| (1) M is the brother of N | (2) K is the sister of M    |
| (3) P is the brother of O | (4) O is the daughter of N. |
- Who is the uncle of P ?  
 A) N                      B) K                      C) M                      D) O
57. Which statement in Q. 56 is superfluous ?  
 A) 1                      B) 2                      C) 3                      D) 4
58. (A) Mahesh is taller than Suresh (B) Anil is taller than Mahesh (C) Ramesh is taller than Anil (D) Puneet is tallest of all. If they stand according to their height, who will be exactly in the middle ?  
 A) Mahesh              B) Suresh              C) Ramesh              D) Anil
59. Five boys Rakesh, Anil, Mahesh, Suresh and Manjit are sitting in a circle.  
 (A) Anil is sitting in between Rakesh and Suresh (B) To Manjit's right Suresh is seated. Who is seated to Mahesh's left ?  
 A) Anil                      B) Suresh                      C) Manjit                      D) Rakesh

**Directions :** Question 60 – 64 : In each of the following question four words have been given of which three are alike in some way and one is different. Choose out the ODD word.

60. A) Carrot              B) Bean                      C) Grapes                      D) Banana
61. A) Leucoderma      B) Rheumatism              C) Dysentery                      D) Diabetes
62. A) Silver              B) Zinc                      C) Gold                      D) Iron
63. A) Ring                      B) Bracelet                      C) Ornament                      D) Bangle
64. A) Logical                      B) Cognet                      C) Spurious                      D) Efficacious

65. If (A) 'Quo Cui Heer' means 'Boy is good' ; (B) 'Lai Quo Mea' means 'Meena is fair'; (C) 'Ruo Lev Mea' means 'All are fair' ; (D) 'Si Hai Cui' means 'Dog was good'; then which of the following words stands for 'Boy' ?  
A) Quo                      B) Cui                      C) Heer                      D) Lai
66. If (A) 'Buy good oranges' is coded as 'BDG'; (B) 'Distribute good oranges' is coded as 'BCD'; and (C) 'Oranges are red' is coded as 'BEF'; then what is the code for 'Red' ?  
A) B    B) Either E or B  
C) Either F or B                              D) Either E or F
67. If 'X' means '÷'; '-' means 'X'; '÷' means '+' and '+' means '-' then  $(3 - 15 \div 11) \times 8 + 6 = ?$   
A) 0                      B) 1                      C) 4                      D) 8
68. In the following sequence how many 3's are there which are preceded by 7 but not followed by 9 ?  
24739657385436735419387396452397354  
A) 2                      B) 4                      C) 3                      D) 1

**Directions :** Question 69 – 75 : In each of the following questions there are two words on one side of the sign :: and one word with a sign (?) on the other side. The relationship which obtains between the two words on one side of the sign :: is to be found in the word and the missing word indicated by (?) on the other side. This missing word is given as one of the 4 alternatives. Select the best alternative.

69. Child : Father :: Book : ?  
A) Author                      B) Publisher                      C) Editor                      D) Library
70. Pyorrhea : Teeth :: Trachoma : ?  
A) Eye                      B) Skin                      C) Lungs                      D) Ear
71. Gun : Bullet :: Chimney : ?  
A) House                      B) Ground                      C) Roof                      D) Smoke

72. Cells : Cytology :: Birds : ?

- A) Mycology            B) Odontology            C) Gerontology            D) Ornithology

73. Ancient : Modern :: Often : ?

- A) Commonly            B) Repeatedly            C) New            D) Seldom

74. Often : Always :: Seldom : ?

- A) Rare            B) Never            C) Sometimes            D) Ever

75. T.B. : Lungs :: Cataract : ?

- A) Ear            B) Eye            C) Skin            D) Nose

**For the next five questions choose the appropriate antonym**

76. Stubborn

- A) Pliable            B) Easy            C) Consenting            D) Willing

77. Affluence

- A) Indigence            B) Richness            C) Pauper            D) Begging

78. Able

- A) Unable            B) Enable            C) Disable            D) Clumsy

79. Visionary

- A) Pragmatic            B) Optimist            C) Pessimist            D) None of the above

80. Ignominious

- A) Shameful            B) Cowardly            C) Humiliating            D) Glorious

**In the next five questions choose the option which is closest in meaning to the underlined phrase:**

81. The incident was blown up and people were made to believe that there was large scale violence.

- A) Exploded            B) Flown up            C) Made huge            D) Exaggerated



90. The employees demanded pay parity \_\_\_\_\_ their counterparts in the Central Government.

- A) like                      B) as                      C) with                      D) towards

**Directions** for the next five questions: Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The alphabet (a,b,c,d) of that part will be the answer:

91. It was a/ a long day's b/ journeying c/ to Bhopal d/.

- A) a      B) b      C) c      D) d

92. Many a/ a man b/ have c/ done so d/.

- A) a      B) b      C) c      D) d

93. There is a/ really no b/ difference between c/ you and I d/.

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

94. Neither of them a/ were b/ invited c/ to the party d/.

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

95. Whom a/ did you b/ say was c/ there d/?

- A) a      B) b      C) c      D) d

**For the next 5 questions choose the synonym of the given word:**

96. Exude

- A) Discharge              B) Crude                      C) Give                      D) Flow

97. Excursion

- A) Vacation              B) Holiday                      C) Tour                      D) Flight

98. Fiendish

- A) Ghostly                      B) Horrible                      C) Diabolical                      D) Unkind

99. Punctilious

- A) Careless                      B) Strictly                      C) Friendly                      D) Scrupulous

100. Innocuous

- A) Virulent                      B) Harmful                      C) Inoffensive                      D) Vaccination

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SPACE FOR ROUGH WORK

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