

**NUMERICAL ABILITY**

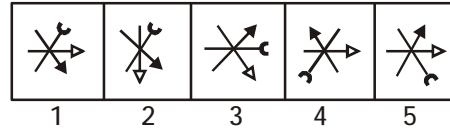
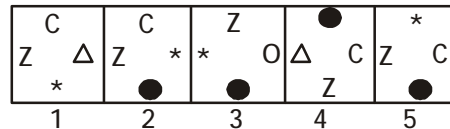
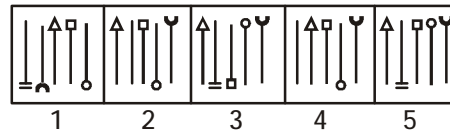
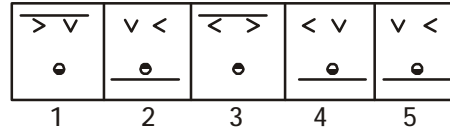
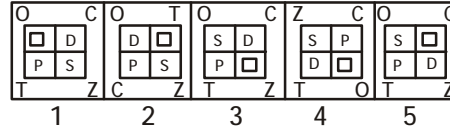
Q.51-75. What will come in place of the question mark (?) in the following questions?

Q.51.  $\sqrt{676} + \sqrt{1024} = ?$

- (1) 58      (2) 56      (3) 52  
(4) 54      (5) None of these

Q.52.  $434.23 + 21.56 + 63.89 = ?$

- (1) 515.75              (2) 519.68  
(3) 517.63              (4) 511.74  
(5) None of these



Q.53.  $6552 \div 28 + 343 = ?$

- (1) 579      (2) 575      (3) 573  
(4) 577      (5) None of these

Q.54.  $34 \times 255 \times 15 = ? + 14431$

- (1) 115619              (2) 115671  
(3) 115617              (4) 115691  
(5) None of these

Q.55.  $0.01 \times 111 + 10.4 - 6.3 = ?$

- (1) 6.32              (2) 4.24  
(3) 5.21  
(4) 9.11  
(5) None of these

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- Q.56.  $\sqrt{522 \div 35 - 28} = ?$   
 (1) 33 (2) 35 (3) 27  
 (4) 23 (5) None of these
- Q.57. 18% of 255 + ?% of 600 = 255.9  
 (1) 35 (2) 38  
 (3) 45 (4) 44  
 (5) None of these
- Q.58.  $\frac{1}{5}$ th of  $\frac{1}{3}$ rd of  $\frac{3}{4}$ th of 15000 = ?  
 (1) 745 (2) 755 (3) 740  
 (4) 750 (5) None of these
- Q.59.  $[(155 \div 2) + 83.5] \div 5 = ? \div 2.5$   
 (1) 70.4 (2) 80.5 (3) 83.4  
 (4) 73.5 (5) None of these
- Q.60.  $5642.36 + 237.35 + 522.93 = ? + 3990.35$   
 (1) 2418.76 (2) 2416.45  
 (3) 2415.29 (4) 2411.23  
 (5) None of these
- Q.61.  $(19)^2 + (22)^2 - (16)^2 = ?$   
 (1) 583 (2) 589 (3) 588  
 (4) 587 (5) None of these
- Q.62.  $2\frac{1}{2} + 2\frac{1}{3} + 1\frac{2}{5} = ?$   
 (1)  $6\frac{11}{30}$  (2)  $4\frac{7}{30}$   
 (3)  $3\frac{7}{30}$  (4)  $6\frac{13}{30}$   
 (5) None of these
- Q.63. 25% of  $\sqrt{3844} = ?$   
 (1) 16.8 (2) 15.5  
 (3) 18.3 (4) 13.7  
 (5) None of these
- Q.64.  $(28 \times 13) + (15 \times 9) = ?$   
 (1) 491 (2) 494 (3) 497  
 (4) 499 (5) None of these
- Q.65.  $5^6 \times (25)^2 \div 325 = ?$   
 (1) 8 (2) 5 (3) 6  
 (4) 9 (5) None of these
- Q.66. 26% of 550 - ? = 128  
 (1) 15 (2) 18 (3) 13  
 (4) 19 (5) None of these
- Q.67.  $\frac{11}{16} \times \frac{80}{99} \times \frac{12}{25} - ? = 128$   
 (1)  $\frac{7}{13}$  (2)  $\frac{4}{13}$  (3)  $\frac{7}{15}$   
 (4)  $\frac{7}{15}$  (5) None of these
- Q.68.  $-31 - 31 - 43 - 20 + 344 = ?$   
 (1) 239 (2) 233 (3) 231  
 (4) 235 (5) None of these
- Q.69.  $12 \times \sqrt{4225} + 212 = ?$   
 (1) 993 (2) 995 (3) 991  
 (4) 999 (5) None of these
- Q.70.  $78121 + 14112 - 53798 = ?$   
 (1) 38438 (2) 38433  
 (3) 38435 (4) 38432  
 (5) None of these
- Q.71.  $\frac{16 \times 426}{24\% \text{ of } 200} = ?$   
 (1) 145 (2) 143 (3) 147



- (4) 147 (5) None of these
- Q.72.  $(10503 \div 3) - (7869 \div 3) = ?$   
 (1) 873 (2) 877 (3) 878  
 (4) 876 (5) None of these
- Q.73.  $\frac{7}{15} + 12 + \frac{2}{3} = ?$   
 (1)  $13\frac{4}{5}$  (2)  $12\frac{2}{15}$   
 (3)  $12\frac{4}{15}$  (4)  $13\frac{2}{15}$   
 (5) None of these
- Q.74.  $3335 \div 25 = ?$   
 (1) 145.3 (2) 143.7  
 (3) 144.6 (4) 141.4  
 (5) None of these
- Q.75.  $\sqrt{155 + 63 - 31 + 254} = ?$   
 (1) 27 (2) -23 (3) 441  
 (4) -21 (5) None of these
- Q.76. A canteen uses 240 liters of water in 3 days. How many liters of water will they use in 5 days?  
 (1) 400 (2) 440 (3) 410  
 (4) 420 (5) None of these
- Q.77. What is the least number that can be added to 4600 to make it a perfect square?  
 (1) 34 (2) 36 (3) 25  
 (4) 24 (5) None of these
- Q.78. What would be the compound interest obtained on an amount of Rs. 4,000/- at the rate of 12 p.c.p.a. after 2 years?  
 (1) Rs. 1,019.5 (2) Rs. 1,017.56  
 (3) Rs. 1,013.4 (4) Rs. 1,016.8  
 (5) None of these
- Q.79. The cost of 8 gel pens and 12 ball pens is Rs. 82/-. What would be the cost of 36 gel pens and 54 ball pens?  
 (1) Rs. 366/- (2) Rs. 365/-  
 (3) Rs. 369/- (4) Rs. 364/-  
 (5) None of these
- Q.80. Find the average of the following set scores:  
 42, 63, 29, 36, 98, 15, 23, 74  
 (1) 48.3 (2) 43.8 (3) 45.7  
 (4) 47.5 (5) None of these
- Q.81. What will come in place of both the question marks (?) in the following question?  
 $\frac{(?)^{12}}{54} = \frac{108}{(?)^{18}}$   
 (1) 17 (2) 18 (3) 19  
 (4) 16 (5) None of these
- Q.82. Jay scored 33 marks in Marathi, 35 marks in English, 38 marks in Mathematics, 28 marks in Hindi and 26 marks in Social studies. The maximum marks a student can score subject is 40. How much percentage did Jay get in this exam?  
 (1) 80 (2) 85 (3) 70  
 (4) 75 (5) None of these
- Q.83. In how many different ways can be letter of the word 'RESULT' be arranged?  
 (1) 360 (2) 5040  
 (3) 720 (4) 780  
 (5) None of these



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- Q.84. The average of five numbers is 51.4. The average of the first and the second number is 30.5. The average of the fourth and the fifth number is 62. What is the third number?  
 (1) 72 (2) 75 (3) 77  
 (4) 78 (5) None of these
- Q.85. In the following fractions are arranged in a descending order (from left to right), which of them will be second from the left end?  
 $\frac{4}{7}, \frac{3}{13}, \frac{8}{8}, \frac{9}{11}, \frac{5}{12}$   
 (1)  $\frac{3}{13}$  (2)  $\frac{4}{7}$  (3)  $\frac{9}{11}$   
 (4)  $\frac{5}{12}$  (5)  $\frac{5}{8}$
- Q.86. The ratio between Ritesh's and Sanjay's present ages is 7:9 respectively. Six years hence the ratio between their ages will be 4:5 respectively. What was Ritesh's age seven years ago?  
 (1) 42 years (2) 35 years  
 (3) 33 years (4) 38 years  
 (5) None of these
- Q.87. The speed of a bus is  $\frac{3}{4}$  in the speed of a car. The car covers 320 kms in 5 hours. How much time will the bus take to cover 336 kms?  
 (1) 7 hours (2) 9 hours  
 (3) 12 hours (4) 8 hours  
 (5) None of these
- Q.88. Sangram sets an alarm in two different clocks. The first alarm rings after every 2 hours and the second alarm rings after every 1 hour and 30 minutes. If both the alarms rang together at 1 p.m., what will be the time when the will next ring together?  
 (1) 5.30 p.m. (2) 7 p.m.  
 (3) 7.30 p.m. (4) 5 p.m.  
 (5) Cannot be determined
- Q.89. If the number of a fraction is increased by 200% and the denominator is increased by 300% the resultant fraction is  $\frac{9}{20}$ . What is the original fraction?  
 (1)  $\frac{3}{7}$  (2)  $\frac{4}{5}$   
 (3)  $\frac{3}{5}$  (4)  $\frac{4}{7}$   
 (5) None of these
- Q.90. Mohan purchased 14 kgs of rice at the rate of Rs. 26 per kg and 8 per kgs of pulses at the rate of Rs. 26 per kg. What is the total amount that he paid to the shopkeeper?  
 (1) Rs. 598/- (2) Rs. 594/-  
 (3) Rs. 596/- (4) Rs. 595/-  
 (5) None of these
- Q.91. The sum of five consecutive odd numbers is 595. What is the sum of the second largest number and twice the smallest number?  
 (1) 355 (2) 351 (3) 357  
 (4) 353 (5) None of these
- Q.92. The ratio between the number of girls and boys in a class is 9:11 respectively. What is the percentage of girls in this class?



- (1) 35      (2) 55      (3) 45  
 (4) Cannot be determined  
 (5) None of these

Q.93-95. What approximate value should come in place of the question mark (?) in the following questions?

(Note: You are not expected to calculate the exact value.)

Q.93.  $\sqrt{7255} = ?$

- (1) 35      (2) 55      (3) 115  
 (4) 85      (5) 135

Q.94.  $7263 \div 14 = ?$

- (1) 490      (2) 470      (3) 550  
 (4) 570      (5) 520

Q.95.  $59.899 \times 5.002 \times 14.989 = ?$

- (1) 4900                      (2) 4100  
 (3) 3900                      (4) 5000  
 (5) 4500

Q.96-100. What should come place of the question mark (?) in the following numbers series?

Q.96. 1      2      6      24      120      ?  
 (1) 740      (2) 724      (3) 744  
 (4) 728      (5) 720

Q.97. 323      3123      299      284      267      ?  
 (1) 48      (2) 244      (3) 242  
 (4) 24      (5) 238

Q.98. 18      23      33      48      68      ?  
 (1) 98      (2) 93      (3) 83  
 (4) 88      (5) 103

Q.99. 783      747      706      697      692  
 (1) 695      (2) 691      (3) 693  
 (4) 696      (5) 692

Q.100. 28      27.5      28.5      27.5      26      26.5  
 (1) 31.5      (2) 28      (3) 27.5  
 (4) 26      (5) 26.5

### ANSWERS

51. (1)    52. (2)    53. (4)    54. (1)    55. (3)    56. (4)    57. (1)    58. (4)    59. (2)    60. (5)  
 61. (2)    62. (5)    63. (2)    64. (4)    65. (3)    66. (1)    67. (4)    68. (3)    69. (5)    70. (3)  
 71. (5)    72. (3)    73. (4)    74. (4)    75. (4)    76. (1)    77. (4)    78. (2)    79. (3)    80. (4)  
 81. (2)    82. (1)    83. (3)    84. (1)    85. (5)    86. (2)    87. (1)    88. (2)    89. (3)    90. (1)  
 91. (2)    92. (3)    93. (4)    94. (5)    95. (5)    96. (5)    97. (1)    98. (2)    99. (3)    100. (5)



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