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**MENTAL ABILITY**

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**Directions (1-3) :** What value should come in place of question mark (?) in the following questions?

- Q.1)  $59\% \text{ of } 3654 \div 126 = ?$   
(1) 171.1 (2) 17.11  
(3) 1.711 (4) 0.1711  
(5) None of these
- Q.2)  $\frac{23}{27} \times \frac{54}{21} - 1\frac{4}{9} = ?$   
(1)  $\frac{46}{63}$  (2)  $\frac{16}{63}$   
(3)  $1\frac{47}{63}$  (4)  $3\frac{40}{63}$   
(5) None of these
- Q.3)  $491109 - 62835 = 5014 + ?$   
(1) 423250 (2) 424250  
(3) 423260 (4) 424260  
(5) None of these
- Q.4)  $1934.045 + 21.81 + 536.5 + 856.072 = ?$   
(1) 3347.427 (2) 3338.427  
(3) 348.426 (4) 3347.327  
(5) None of these
- Q.5)  $22 \times \frac{3}{4} \times ? \times \frac{8}{11} = 1$   
(1) 12 (2)  $\frac{1}{12}$   
(3)  $\frac{8}{11}$  (4)  $\frac{3}{11}$   
(5) None of these
- Q.6)  $\frac{1}{11}$  of  $(39.44 + 24.17 - 19.17) = ?$   
(1) 4.04 (2) 4.40  
(3) 44.0 (4) 4.50  
(5) None of these
- Q.7)  $7^2 \times x - 7 = 0$   
(1) 7 (2)  $\frac{1}{49}$   
(3)  $\frac{1}{7}$  (4) 49  
(5) None of these
- Q.8)  $(?)^2 - 200 = 584$   
(1) 26 (2) 20  
(3) 24 (4) 28  
(5) None of these

- Q.9)  $404 + 70948 + 3154 + 70 = ?$   
(1) 74476 (2) 73576  
(3) 74566 (4) 74575  
(5) None of these

- Q.10)  $\left(\frac{55}{12} + \frac{5}{4}\right)^2 = ?$   
(1)  $9\frac{4}{9}$  (2)  $13\frac{4}{9}$   
(3)  $1\frac{40}{81}$  (4)  $20\frac{1}{4}$   
(5) None of these

- Q.11)  $9\% \text{ of } 50 + 8\% \text{ of } 24 - ? = 5.4$   
(1) 18.3 (2) 1.83  
(3) 1.02 (4) 10.2  
(5) None of these

- Q.12)  $(1236 \div 8) \times 7 - ? = 1010$   
(1) 2779 (2) 2969  
(3) 869 (4) 859  
(5) None of these

- Q.13)  $(?)^3 = 729$   
(1) 9 (2) 19  
(3) 27 (4) 39  
(5) None of these

- Q.14)  $4.25 \times 15 \times \frac{3}{4} = ?$   
(1) 4.7812 (2) 46.6875  
(3) 4.6687 (4) 47.8125  
(5) None of these

- Q.15)  $0.333 \div \frac{2}{3} = ?$   
(1) 0.6660 (2) 0.4995  
(3) 0.4990 (4) 0.1110  
(5) None of these

- Q.16)  $\frac{901}{21} \times \frac{1743}{53} = ?$   
(1) 1462 (2) 1428  
(3) 1411 (4) 1394  
(5) None of these

- Q.17)  $\frac{7}{5} - \frac{5}{9} + \frac{3}{8} = ?$   
(1)  $\frac{8}{9}$  (2)  $\frac{7}{8}$

- (3)  $\frac{1}{18}$                       (4)  $1\frac{1}{18}$   
 (5) None of these
- Q.18)  $30 \times 40 \times ? = 2100$   
 (1) 1.25                      (2) 1.50  
 (3) 2.50                      (4) 1.75  
 (5) None of these
- Q.19)  $\sqrt{2.25} \times 25 = ?$   
 (1) 25.25                      (2) 37.5  
 (3) 56.25                      (4) 7.5  
 (5) None of these
- Q.20)  $44\% \text{ of } 88 - 8\% \text{ of } 305 = ?$   
 (1) 63.12                      (2) 14.00  
 (3) 34.4                      (4) 14.32  
 (5) None of these
- Q.21)  $(? \times 10) - 93 = 927$   
 (1) 101                      (2) 100  
 (3) 103                      (4) 99  
 (5) None of these
- Q.22)  $(1.05)^2 \times 200 = ?$   
 (1) 2205.0                      (2) 225.0  
 (3) 220.5                      (4) 220.1  
 (5) None of these
- Q.23)  $144 \div 12 \times 3 - 2 = ?$   
 (1) 34                      (2) 12  
 (3)  $4\frac{4}{17}$                       (4) 11  
 (5) None of these
- Q.24) If nine dinner plates cost Rs. 1,174/-, what is the **approximate** cost of a single plate?  
 (1) Rs. 125/-                      (2) Rs. 135/-  
 (3) Rs. 120/-                      (4) Rs. 130/-  
 (5) None of these
- Q.25) Ramesh and Neelesh start walking to meet one another from places 25 kms apart. If Ramesh walks at the rate of 2 kms an hour and Neelesh at 3 kms an hour, how many hours will it be before they meet?  
 (1) 4 hrs 20 mnts                      (2) 5 hrs  
 (3) 10 hrs                      (4) 12 hrs 30 mnts  
 (5) None of these

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### ANSWERS

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|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1. | (3) | 6.  | (4) | 11. | (1) | 16. | (4) | 21. | (1) |
| 2. | (5) | 7.  | (5) | 12. | (4) | 17. | (2) | 22. | (4) |
| 3. | (2) | 8.  | (2) | 13. | (2) | 18. | (4) | 23. | (2) |
| 4. | (5) | 9.  | (3) | 14. | (3) | 19. | (5) | 24. | (5) |
| 5. | (3) | 10. | (4) | 15. | (5) | 20. | (3) | 25. | (1) |

