Directions (1-25): *What should come in place of the question mark (?) in the following questions?*

1. 926 × 9 + 164 + 65 = 132 + ?
(a) 464   (b) 432
(c) 327   (d) 331
(e) None of these

2. 15% of 640 -16% of 750 = ?
(a) -24   (b) -16
(c) 26   (d) 16
(e) None of these

3. 78 × 5 + 2 - 26 = (?)²
(a) $\sqrt{13}$ (b) 26
(c) -13   (d) $(13)^2$
(e) None of these

4. $2\frac{1}{6}$ of $1\frac{3}{5}$ of (?) = 540
(a) 102   (b) 124
(c) 120   (d) 108
(e) None of these

5. $5\frac{1}{6} - 1\frac{1}{4} + 1\frac{1}{12}$ = ?
(a) $1\frac{1}{54}$ (b) $1\frac{2}{27}$
(c) $1\frac{1}{27}$ (d) $1\frac{1}{54}$
(e) None of these

6. $\frac{56}{16} \times \frac{60}{21} + \frac{60}{42}$ = ?
(a) $12\frac{1}{3}$ (b) $12\frac{3}{5}$
(c) $12\frac{4}{5}$ (d) $12\frac{2}{5}$
(e) None of these

7. 48 % of ? + 95 = 359
(a) 750   (b) 650
(c) 550   (d) 650
(e) None of these

8. 69.39 - 58.46 + 79.98 = ? + 76.92
(a) 11.76   (b) 13.99
(c) 15.69   (d) 17.74
(e) None of these

9. (40.5 × 7 × 4) + 6 - (8)² = (?)²
(a) $(5)^3$ (b) $\sqrt{5}$
(c) 25   (d) 5
(e) None of these

10. 0.5 × 5.6 ÷ 0.5 × 15 = ?
(a) 94   (b) 82
(c) 48   (d) 86
(e) None of these

11. 5566 - 7788 + 9988 = ? + 4444
(a) 3223   (b) 333
(c) 3232   (d) 3322
(e) None of these

12. 56 × 5 - 84 + 139
(a) 314   (b) 334
(c) 316   (d) 330
(e) None of these

13. 545 - 354 + 434 = ? + (8)²
(a) 541   (b) 632
(c) 561   (d) 652
(e) None of these

14. $(6)^4 + (36)^2 \times 216 = 6^{?-9}$
(a) 4   (b) 6
(c) 7   (d) 1
(e) None of these

15. (161 - 231) + 7 = ? + (-4)
(a) 10   (b) - 10
(c) - 40   (d) 40
(e) None of these

16. (7)³ + (5)² + (4)² + (16)² = ?
(a) 1.6875   (b) 468.25
(c) 368.0625   (d) 368.25
(e) None of these

17. 37 × 7 × 3 = ?
(a) 757   (b) 777
(c) 769   (d) 779
(e) None of these

18. $\frac{1287}{1645} \times \frac{235}{572} + \frac{3}{16}$ = ?
(a) $\frac{4}{49}$ (b) $\frac{1}{28}$

(e) None of these   (d) $\frac{1}{7}$

19. $(12)^2 + (7)^2 + 125 = 3.2$
(a) 18   (b) 14
(c) 8   (d) 16

20. $\frac{5}{11} \times \frac{4}{7}$ of $\frac{11}{20}$ of 848 = ?
(a) 216   (b) 222
(c) 208   (d) 202
(e) None of these

21. 1.4% of 750 + 2.2% of 480 = ?
(a) 21.06   (b) 21.16
(c) 20.88   (d) 21.18
(e) None of these

22. $\frac{3}{4} - \frac{2}{3}$ of 87 = ?
(a) 31   (b) 27
(c) 29   (d) 26
(e) None of these

23. 7 × 27 × 15 = 195
(a) 378   (b) 405
(c) 410   (d) 351

24. 5616 ÷ 18 + 8 = ?
(a) 36   (b) 76
(c) 40   (d) 39
(e) None of these

25. $17^2 - 15^2 = (?)^2$
(a) 4   (b) 8
(c) 16   (d) 2
(e) None of these

26. A fodder stock lasts for 36 days for 20 cows. How long will it last for 15 cows?
(a) 54 days   (b) 42 days
(c) 56 days   (d) 46 days
(e) None of these

27. Jyoti's monthly expense on shopping is 25%, travelling is 20%, food is 45% and 10% on other recreational activities. What is the total amount she spend on travelling and food together?
(a) ₹ 15,000   (b) ₹ 18,000
(c) ₹ 12,050
(d) Cannot be determined
(e) None of these

28. What is the value of two-fifth of sixty-five percent of 750 ?

(c) 185.75   (b) 195
(c) 975   (d) 243.75
(e) None of these

29. The area of a rectangle is 360 sq cm which is equal to 90% of the area of a square. What is the side of square ?
(a) 20 cm   (b) 15 cm
(c) 40 cm   (d) 22 cm
(e) None of these

30. Suresh consume 450 ml of milk every day. How many liter of milk will he consume in two weeks ?
(a) 6.63 litre   (b) 6.7 litre
(c) 12.3 litre   (d) 6.3 litre
(e) None of these

31. The postal charges for booking a parcel of 500 grams are ₹ 60. What will be the postal charges for booking a parcel of 5.5 kg ?
(a) ₹ 650   (b) ₹ 680
(c) ₹ 330   (d) ₹ 660
(e) None of these

32. The diagonal and breadth of rectangle is 10 cms and 6 cm respectively. What is the perimeter of the rectangle ?
(a) 32 cm
(b) 16 cm   (c) 56 cm
(d) Cannot be determined
(e) None of these

33. Twenty-seven per cent of Arun's monthly salary is equal to Raju's monthly salary. If Arun's monthly salary is ₹ 25,000, then what is Raju's annual salary ?
(a) ₹ 87,000   (b) ₹ 8,10,000
(c) ₹ 81,000   (d) ₹ 57,000
(e) None of these

34. The average speed of a car is two third the average speed of a train which travels 270 kms in 3 hours. How much distance will the car cover in 5 hours ?
(a) 160 kms   (b) 240 kms
(c) 300 kms   (d) 150 kms
(e) None of these

35. The bus fare of one adult is ₹ 148 from Tinsukia to Digboi and bus fare of child is half the fare of one adult between the same place. What is the total bus fare of 3 adults and 3 children same places ?
(a) ₹ 666   (b) ₹ 888
(c) ₹ 555   (d) ₹ 448
(e) None of these

36. What number should come in the place of question mark (?) in the series given below ?

15   22   36   57   85   ?

(a) 120   (b)150
(c) 110   (d) 90
(e) None of these

37. If 3 pumps can empty a tank in 2 days by working 8 hours a days. Then how many hours a days must 4 pumps work to empty the tank in one day ?

(a) 12 hours   (b) 15 hours
(c) 18 hours   (d) 9 hours
(e) None of these

Direction (38-3) : *In each of these questions a relationship is given with a question mark (?) in place of the correct symbol. Based on the values on the right hand side and left hand side of the question mark, you have to decide which of the following symbol will come in place of the question mark ?*

Give answer If in place of question
               mark (?) following will come
a.   > (greater than)
b.   < (equal to)
c.   ≤ (less than)
d.   ≥ (either greater than or equal to)
e.   ≤ (either smaller than or equal to)

38. [28 % of 550 − 35] ? [32 % of 650 +50]

39. [841+29+71] ? [407−193−105]

40. $\left[\frac{2}{3}+\frac{4}{5}+\frac{5}{1}\right]$? $\left[\frac{1}{4}+\frac{5}{6}+\frac{5}{4}\right]$

41. [100−(√196 + 6²) ? [√2500 + 39]

42. [42×(343)¹+(49)³)] ? √36

Directions (43-47) : *Study the following table carefully and answer the questions given below :*

Number of Graduates and Post-Graduates living in various Towns

Towns	Graduates	Post-Graduates
A	10,200	8,000
B	25,250	18,000
C	15,150	10,500
D	18,500	16,250
E	24,000	20,000
F	16,500	18,450

43. What is the difference between the number of graduates and the number of post-graduates in town C?

(a) 4650   (b) 4500
(c) 4560   (d) 4600
(e) None of these

44. What is the average number of post-graduates in all the towns together ?

(a) 16,250   (b) 15,500
(c) 15,200   (d) 16,000
(e) None of these

45. What is ratio of number of graduates from towns A and B together to the number of graduates from towns A and E together ?

(a) 709:535   (b) 709:560
(c) 540:709   (d) 769:709
(e) None of these

46. What is the total number of graduates and post-graduates in towns A, D and E together ?

(a) 84,500   (b) 90,200
(c) 88,500   (d) 89,600
(e) None of these

47. The number of graduates in town F approximately what per cent of the number post-graduates in the same town ?

(a) 84   (b) 92
(c) 87   (d) 95
(e) 89

48. The product of two successive numbers is 8556. What is the smaller number?

(a) 94   (b) 92
(c) 89   (d) 90
(e) None of these

49. What is the least number to be added to 4321 to make it a perfect square number ?

(a) 32   (b) 34
(c) 36   (d) 38
(e) None of these

50. A 240 metres long train crosses a pole in 9 seconds. What is the speed of train in km/h ?

(a) 90   (b) 96
(c) 45   (d) 50
(e) Cannot be determined
(e) None of these