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

1. $84 \times 9 \div 12 - 36 + 101 = ?$
   (a) 124 (b) 128
   (c) 148 (d) 144
   (e) None of these
2. $\sqrt{529} + (3)^3 - (6)^2 = (?)^2$
   (a) $\sqrt{14}$ (b) 196
   (c) 14 (d) 28
   (e) 56
3. $13 \times 6 + 152 + 75 = 158 + ?$
   (a) 147 (b) 156
   (c) 157 (d) 136
   (e) None of these
4. $\frac{2}{17}$ of 34% of 360 = ?
   (a) 14.4 (b) 28
   (c) 15.2 (d) 24
   (e) None of these
5. $\frac{3}{16}$ of $\frac{4}{9}$ of 672 = ?
   (a) 45 (b) 54
   (c) 36 (d) 58
   (e) None of these
6. $338 \times 97 - 1835 = ?$
   (a) 30951 (b) 31951
   (c) 29951 (d) 32951
   (e) None of these
7. $68.8 \times 14.7 \times 7.1 = ?$
   (a) 7108.565 (b) 7018.665
   (c) 7180.656 (d) 7081.556
   (e) None of these
8. 35% of 411 − ?% of 272 = 84.01
   (a) 42 (b) 36
   (c) 18 (d) 22
   (e) None of these
9. $156 \div 6 \div 0.65 = ?$
   (a) 45 (b) 54
   (c) 38 (d) 61
   (e) None of these
10. $7\frac{3}{4} \div 12\frac{2}{5} = ?$
    (a) $\frac{6}{7}$ (b) $\frac{5}{8}$
    (c) $\frac{7}{8}$ (d) $\frac{6}{11}$
    (e) None of these
11. $(5 \times 6)^2 \times (9 \times 6) \div (4 \times 6) = ?$
    (a) 2055 (b) 2505
    (c) 2205 (d) 2025
    (e) None of these
12. $431.44 - 44.63 = ? - 62.65$
    (a) 450.46 (b) 468.56
    (c) 449.46 (d) 439.56
    (e) None of these
13. $\frac{3}{11}$ of 77 % of 800 = ?
    (a) 148 (b) 168
    (c) 218 (d) 228
    (e) None of these
14. $(13)^2 - (5)^3 - \sqrt{676} + 7 = (?)^2$
    (a) 10 (b) 20
    (c) $\sqrt{5}$ (d) $(25)^2$
    (e) 5
15. ?% of $350 - (6)^2 = 48$
    (a) 12 (b) 24
    (c) 42 (d) 54
    (e) None of these
16. $(18)^2 - (4)^3 - \sqrt{1225} = (?)^2$
    (a) 225 (b) $(15)^2$
    (c) 25 (d) $\sqrt{15}$
    (e) None of these
17. $33 \times 15 + 25 + 13 = 256 + ?$
    (a) 276 (b) 275
    (c) 279 (d) 277
    (e) None of these
18. $12.98 - 35.23 + 58.22 = ?$
    (a) 35.97 (b) 32.18
    (c) 37.59 (d) 33.11
    (e) None of these
19. $\frac{27}{152} \times \frac{8}{9} \div \frac{45}{19} = ?$
    (a) $\frac{1}{19}$ (b) $\frac{1}{15}$

(c) $\frac{2}{15}$ (d) $\frac{2}{19}$

(e) None of these

20. $5^5 \times (25)^3 \div 625 = (5)^?$

(a) 6 (b) 9

(c) 8 (d) 5

(e) None of these

21. $2110 \div 25 + 350 \div 50 = ?$

(a) 91.4 (b) 8.688

(c) 281.33 (d) 86.2

(e) None of these

22. $6999 + 3555 - 2333 = ?$

(a) 8337 (b) 8444

(c) 7338 (d) 8221

(e) None of these

23. $49 \times 64 = (?)^2$

(a) 54 (b) 56

(c) 52 (d) 63

(e) None of these

24. $6.8 \times ? \times 7.9 = 161.16$

(a) 2 (b) 7

(c) 5 (d) 4

(e) None of these

25. 16% of $380 \times 5 = ?$

(a) 276 (b) 284

(c) 304 (d) 312

(e) None of these

26. What should come in place of question mark (?) in the following question.

$5811 + 309 \times 19^2 = ?$

(a) 9990 (b) 8650

(c) 5430 (d) 7560

(e) 6790

27. When 49^2 is added to square of a number result is 9125. Find the number.

(a) 6724 (b) 95

(c) 4624 (d) 82

(e) None of these

28. Find simple interest on a sum of ₹ 9850 at the rate of 7 p.c. p.a.in 6 years.

(a) ₹ 3546 (b) ₹ 4538

(c) ₹ 4137 (d) ₹ 3447

(e) None of these

29. There are 2240 employees in an organisation of which 35% got transferred. How many such employees are transferred?

(a) 784 (b) 1008

(c) 896 (d) 672

(e) None of these

30. Find the average of the following set of scores.

232, 149, 208, 301, 399, 415

(a) 296 (b) 284

(c) 272 (d) 260

(e) None of these

31. Out of the fractions $\frac{5}{12}, \frac{7}{13}, \frac{4}{7}, \frac{4}{15}$ and $\frac{7}{9}$, which is the third largest fraction ?

(a) $\frac{5}{12}$ (b) $\frac{7}{13}$

(c) $\frac{4}{7}$ (d) $\frac{4}{15}$

(e) $\frac{9}{14}$

32. Average speed of a tractor is $\frac{2}{5}$ of average speed of a car. Car travels 450 km in 6 hrs. How much distance will the tractor cover in 8 hours?

(a) 210 km (b) 240 km

(c) 420 km (d) 480 km

(e) None of these

33. Area of a square is 4 times area of a rectangle. Length of rectangle is 25 cm and breadth is 1 cm less than $\frac{1}{5}$ of its length. Find Perimeter of square.

(a) 40 cm

(b) 60 cm

(c) 160 cm

(d) cannot be determined

(e) None of these

34. What will be the result, if square of 22 is subtracted from cube of 12?

(a) 1244 (b) 1344

(c) 1454 (d) 1354

(e) None of these

35. Marks of a group of students are 48, 59, 87, 37, 78 and 57 respectively. Find average marks of students.

(a) 62 (b) 64

(c) 61 (d) 63

(e) None of these

Directions (36-40) : *In each of these questions an equation is given with a question mark (?) in place of a correct symbol. Based on the values on the right hand side and the left hand side of the question mark, you have to decide which of the*

following symbols will come in place of the questions 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)

36. $\pm[(\sqrt{289}) - \sqrt{25})]\ ?\ [\sqrt{144}]$

37. $[123 - (86 - 42)]\ ?\ [7^2 \times 2]$

38. $[\{24 - (3)^2\} \times 4)]\ ?\ [4^2 \times 8 - (17 \times 4)]$

39. $[(18 + 6) + (45 + 9)]\ ?\ [(162 - 106) + 8]$

40. $[(57 \times 3) + 9]\ ?\ [\sqrt{225} + (2)^2]$

41. Parvin purchased 25 kg rice at the rate of ₹ 45 per kg and 12 kg pulses at the rate of ₹ 28 per kg. How much amount Parvin paid to the shopkeeper.

(a) ₹ 1466 (b) ₹ 1416

(c) ₹ 1461 (d) ₹ 1471

(e) None of these

42. 1 man or 3 women or 5 boys can finish a work in 46 days. How many days will one man, one woman and one boy together take to finish the same work?

(a) 30 days (b) 32 days

(c) 35 days (d) 40 days

(e) None of these

43. Perimeter of a rectangle is 60 cm and its breadth is 12 cm. Find area of this rectangle?

(a) 261 cm^2 (b) 263 cm^2

(c) 213 cm^2 (d) 216 cm^2

(e) None of these

44. Mahesh consistently runs 160 meter everyday. How many kilometer will he run in 4 week ?

(a) 3.36 km. (b) 4.48 km

(c) 6.02 km. (d) 5.12 km.

(e) None of these

45. Monthly income of Bipin is three-fourth of monthly income of Bhushan. Annual income of Bhushan is 6,28,800. Find annual income of Bipin.

(a) ₹ 8,600 (b) ₹ 5,25,440

(c) ₹ 4,48,200 (d) ₹ 5,16,800

(e) None of these

46. By Selling an article for ₹ 6150 Dipankar loses 25%. To gain 25% what should be its selling price?

(a) ₹ 8,200 (b) ₹ 9,850

(c) ₹ 10,250 (d) Cannot be determined

(e) None of these

47. Find sum of largest fraction and least fraction in fraction $\frac{3}{7}, \frac{11}{13}, \frac{6}{11}, \frac{7}{8}$ and $\frac{5}{9}$.

(a) $1\frac{19}{99}$ (b) $1\frac{5}{63}$

(c) $1\frac{13}{77}$ (d) $1\frac{17}{56}$

(e) None of these

48. Satish secures 54 marks in Hindi, 44 marks in science 58 marks in Sanskrit, 46 marks in Maths and 42 marks in English. Maximum marks of each subject is 60. Find overall % marks secured by Satish.

(a) 72 (b) 87

(c) 68 (d) 75

(e) 81

49. 4 women can finish a work in 8 days while 4 boys can finish it in 20 days. How many days will 2 women and 15 boys together take to finish the same work.

(a) 6 (b) 10

(c) 8 (d) 4

(e) None of these

50. Sum of 25% and 15% of a number is 144. Find 45% of that number.

(a) 180 (b) 174

(c) 162 (d) 158

(e) None of these