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Union Bank of India Clerk Exam Numerical
Ability Solved Question Paper 2011

Directions—(Q. 1 to 25) What will come in place of question mark (?) in the following questions ?

1. 22% of 250 + 35% of 460 = ?
 (A) 216 (B) 226
 (C) 232 (D) 242
 (E) None of these
2. $(5)^3 \div (25)^2 \times 125 = (5)^?$
 (A) 2 (B) 4
 (C) 3 (D) 5
 (E) None of these
3. $5\frac{1}{3}$ of $2\frac{1}{4}$ of (?) = 288
 (A) 4 (B) 24
 (C) 16 (D) 12
 (E) None of these
4. $55 \times 6 \div 5 - 20 = (?)^2$
 (A) -6 (B) -36
 (C) $\sqrt{6}$ (D) $(36)^2$
 (E) $-\sqrt{6}$
5. $944 - 307 + 119 = ? + (16)^2$
 (A) 508 (B) 396
 (C) 500 (D) 408
 (E) None of these
6. $5544 - 6633 + 7744 = ? + 1111$
 (A) 5455
 (B) 5454
 (C) 5545
 (D) 5445
 (E) None of these
7. $34 \times 16 \div 5 - 58 \cdot 8 = ?$
 (A) 40 (B) 35.2
 (C) 50 (D) 44.2
 (E) None of these
8. $(36 \cdot 8 \times 4 \times 5) \div 92 = (?)^2$
 (A) 8 (B) 64
 (A) $(64)^2$ (D) $\sqrt{8}$
 (E) 16
9. $1\frac{1}{5} - 1\frac{1}{10} + 1\frac{1}{4} = ?$
 (A) $1\frac{3}{10}$ (B) $1\frac{3}{20}$
 (C) $2\frac{7}{10}$ (D) $1\frac{7}{20}$
 (E) None of these
10. $67 \cdot 39 - 11 \cdot 78 + 19 \cdot 63 = ?$
 + 22.41
 (A) 52.73 (B) 52.83
 (C) 65.78 (D) 64.78
 (E) None of these
11. $\frac{63}{13} \times \frac{65}{21} \div \frac{75}{9} = ?$
 (A) $2\frac{1}{5}$ (B) $1\frac{4}{5}$
 (C) $\frac{5}{9}$ (D) $\frac{7}{9}$
 (E) None of these

12. 52% of ? - 29 = 309
 (A) 640 (B) 560
 (C) 550 (D) 650
 (E) None of these
13. $18 \times 8 + 117 + 35 = 158 + ?$
 (A) 148 (B) 158
 (C) 115 (D) 138
 (E) None of these
14. $0.6 \times 1.8 \div 0.5 \times 12 = ?$
 (A) 24.92 (B) 25.92
 (C) 18.46 (D) 17.46
 (E) None of these
15. $\frac{5}{18}$ of $\frac{6}{25}$ of 675 = ?
 (A) 40 (B) 55
 (C) 35 (D) 75
 (E) None of these
16. $(15 \times 7) - (6 \times 3) - 63 = ? \times 6$
 (A) 4 (B) 16
 (C) 144 (D) 132
 (E) None of these
17. $\frac{7}{12} - \frac{3}{4} + \frac{2}{3} = ?$
 (A) $\frac{5}{6}$ (B) $\frac{5}{12}$
 (C) $\frac{1}{2}$ (D) $\frac{1}{6}$
 (E) None of these
18. $27 \times 81 \div 243 = 3^{(7-4)}$
 (A) 4 (B) 5
 (C) 6 (D) 2
 (E) None of these
19. $521.42 - 86.74 = ? + 112.89$
 (A) 321.69 (B) 312.79
 (C) 322.79 (D) 312.69
 (E) None of these
20. $(69 - 115) \div 23 = ? \div (-8)$
 (A) 24 (B) -16
 (C) -24 (D) 16
 (E) None of these
21. $\frac{5}{19}$ of 57% of 480 = ?
 (A) 64 (B) 48
 (C) 72 (D) 78
 (E) None of these
22. $\sqrt{96 \times 12 \div 18 + 26 - 9} = ?$
 (A) 81 (B) $(81)^2$
 (C) 3 (D) 9
 (E) None of these
23. ?% of $850 + 541 = 1255$
 (A) 74 (B) 84
 (C) 58 (D) 78
 (E) None of these
24. $(5)^2 + (4)^3 - \sqrt{676} = (?)^2$
 (A) $\sqrt{3}$ (B) 63
 (C) $\sqrt{63}$ (D) 9
 (E) 7
25. $14.743 - 19.679 + 13.167 = ?$
 (A) 8.231 (B) 11.421
 (C) 9.631 (D) 12.781
 (E) None of these
26. What is fifty six per cent of two-third of 750 ?
 (A) 240 (B) 280
 (C) 290 (D) 220
 (E) None of these
27. The area of a rectangle is four-third the area of a square. The area of the square is 729 sq. cm and the length of the rectangle is 81 cm. What is the difference between the side of the square and the breadth of the rectangle ?
 (A) 18 cm (B) 27 cm
 (C) 24 cm (D) 15 cm
 (E) None of these
28. The sum of five consecutive numbers is equal to 170. What is the product of the largest and the smallest numbers ?
 (A) 1512 (B) 1102
 (C) 1152 (D) 1210
 (E) None of these
29. How many packets are required for filling 25 litres of milk if each packet is filled with 250 ml of milk ?
 (A) 75 (B) 110
 (C) 90 (D) 120
 (E) None of these
30. Sonal runs 220 metres every day. How many kilometres will she run in 3 weeks ?
 (A) 4.42 (B) 5.62
 (C) 6.32 (D) 4.62
 (E) None of these
31. The average speed of a car is twice the average speed of a truck. The truck covers 648 km in 24 hours. How much distance will the car cover in 15 hours ?
 (A) 820 km (B) 1024 km
 (C) 810 km (D) 980 km
 (E) None of these
32. Out of the fractions $\frac{7}{8}, \frac{4}{9}, \frac{3}{7}, \frac{5}{11}$ and $\frac{8}{15}$ what is the difference between the largest and the smallest fraction ?
 (A) $\frac{25}{56}$ (B) $\frac{29}{56}$
 (C) $\frac{5}{8}$ (D) $\frac{3}{8}$
 (E) $\frac{13}{56}$
33. What value will be obtained if the sum of $(11)^2$ and $(4)^3$ is subtracted from the square of 27 ?
 (A) 564 (B) 544
 (C) 592 (D) 582
 (E) None of these
34. Pankaj purchased an item for ₹ 7,500 and sold it at the gain of 24%. From that amount he purchased another item and sold it at the loss of 20%. What is his overall gain/loss ?
 (A) Loss of ₹ 140
 (B) Gain of ₹ 60
 (C) Loss of ₹ 40
 (D) Neither gain nor loss
 (E) None of these
35. What will come in place of both the question marks (?) in the following question ?

$$\frac{(?)^{5/3}}{45} = \frac{5}{(?)^{1/3}}$$

 (A) 15 (B) $(225)^2$
 (C) 225 (D) $\sqrt{15}$
 (E) $\sqrt{45}$
36. Six boys can complete a piece of work in 16 hours. In how many hours will 8 boys complete the same piece of work ?
 (A) 10 (B) 8
 (C) 12 (D) 14
 (E) None of these
37. The circumference of a circle is equal to the perimeter of a rectangle. The length and the breadth of the rectangle is 45 cm and 43 cm respectively. What is half the radius of the circle ?
 (A) 56 cm (B) 14 cm
 (C) 28 cm (D) 7 cm
 (E) None of these

38. The simple interest accrued in 8 years on a principal of ₹ 20,000 is one-tenth the principal. What is the rate of simple interest p.c.p.a. ?
 (A) 1.15 (B) 2.25
 (C) 1.25 (D) 2.75
 (E) None of these
39. The height of four boys is recorded as 142 cm, 156 cm, 162 cm and 178 cm. What is the average height of all four boys ?
 (A) 160 cm (B) 158.5 cm
 (C) 159.5 cm (D) 162 cm
 (E) None of these
40. Pratul's monthly income is one-fourth Manoj's monthly income. Manoj's annual income is ₹ 2.16 lacs. What is Pratul's annual income ? (In some cases monthly income and in some cases annual income is used).
 (A) ₹ 54,000
 (B) ₹ 5.4 thousand
 (C) ₹ 4,500
 (D) ₹ 45,000
 (E) None of these
41. The ratio between the present ages of Punit and Suresh is 4 : 5 respectively. After seven years Punit's age will be 31 years. What was Suresh's age 4 years ago ?
 (A) 24 years (B) 28 years
 (C) 34 years (D) 30 years
 (E) None of these
42. Reena got 76 marks in Hindi, 48 marks in Science, 84 marks in Maths, 38 marks in Social Science and 72 marks in English. The maximum marks of each subject are 100. How much overall percentage of marks did she get ?
 (A) 63.8 (B) 62.6
 (C) 63.6 (D) 64.8
 (E) None of these
43. 748, 460, 316, 244, 208, ?
 (A) 180 (B) 190
 (C) 172 (D) 182
 (E) None of these
44. 17, 98, 147, 172, 181, ?
 (A) 180 (B) 192
 (C) 184 (D) 182
 (E) None of these
45. 11, 19, 31, 47, 67, ?
 (A) 80 (B) 81
 (C) 86 (D) 96
 (E) None of these

Directions—(Q. 46 to 50) In each of these questions an equation is given with a question mark (?) in place of a correct symbol. Based on the value on the right hand side and the 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 or equal to)
 (E) ≤ (either smaller or equal to)
46. $[(52 - (4)^2) \times 5]$? $[5^2 \times 8 - (4 \times 5)]$
47. $[(15 \div 3) + (35 \div 7)]$? $[(138 - 94) \div 4]$
48. $\pm [(\sqrt{256} - \sqrt{64})]$? $[\sqrt{(10)^2 - (6^2)}]$
49. $[(52 \times 3) \div 12]$? $[\sqrt{196}]$
50. $[156 - (36 - 42)]$? $[(9)^2 \times 2]$

Directions—(Q. 43 to 45) What will come in place of question mark (?) in the following number series ?

43. 748, 460, 316, 244, 208, ?
 (A) 180 (B) 190
 (C) 172 (D) 182
 (E) None of these

Answer: Numerical Ability

1	A	26	B
2	A	27	D
3	B	28	C
4	A	29	E
5	C	30	D
6	E	31	C
7	C	32	A
8	D	33	B
9	D	34	E
10	B	35	A
11	B	36	C
12	D	37	B
13	D	38	C
14	B	39	C
15	E	40	A
16	E	41	E
17	A	42	C
18	C	43	B
19	E	44	D
20	D	45	E
21	C	46	B
22	D	47	C
23	B	48	B
24	C	49	C
25	A	50	B