

SALEM INSTITUTE OF BANKING

Numerical & Approximate calculation

NAME: _____

DATE: _____

TIME: 30 min,

MARKS: 40

Directions (Q. 1-20): What approximate value should come in place of question mark (?) in the following equations?

1. $\sqrt{4355} + \frac{1204.04}{6.978} \times 14.95 = ?$

- (1) 2650 (2) 2550 (3) 2450 (4) 2350 (5) 2250

2. 217% of 8458 = ?

- (1) 18150 (2) 18350 (3) 18550 (4) 18750 (5) 18950

3. $\sqrt{3020} \times ? = 64400$

- (1) 1130 (2) 1150 (3) 1170 (4) 1190 (5) 1210

4. $45.145 + 13.92 \times 15.05 + 148.08 \div 3.97 = ?$

- (1) 210 (2) 250 (3) 290 (4) 320 (5) 350

5. 148% of 1749 - $14.99 \times 16.02 = ?$

- (1) 2150 (2) 2250 (3) 2350 (4) 2450 (5) 2550

6. $34.2 \times 17.4 \times 1.5 = 2 \times ?$

- (1) 432.12 (2) 440.62 (3) 446.31 (4) 448.32 (5) 452.4

7. $(7776)^{1.3} \times (36)^{1.25} \div (216)^2 \div (1296)^{-1} = ?$

- (1) 3 (2) 4 (3) 5 (4) 6 (5) 7

8. $\sqrt{1.8225} \times \sqrt{70.56} = ?$

- (1) 11.34 (2) 9.72 (3) 12.46 (4) 8.84 (5) None of these

9. $30\% \text{ of } \frac{5}{7} \text{ of } \frac{3}{13} \text{ of } \frac{16}{15} \text{ of } 10920 = ?$

- (1) 448 (2) 480 (3) 524 (4) 576 (5) 590

10. $3\frac{5}{7} \times 11\frac{2}{3} + 4\frac{5}{42} + \frac{13}{5} \times 259.5 = ?$

- (1) 920 (2) 1050 (3) 1130 (4) 1280 (5) 1520

11. $(0.00072 \div 0.000015) \div 5.00005 = ?$

- (1) 130 (2) 190 (3) 240 (4) 280 (5) 310

12. 137% of 1285 = ?

- (1) 1340 (2) 1510 (3) 1660 (4) 1760 (5) 1790

13. $\sqrt{2300} = ?$

- (1) 42 (2) 44 (3) 46 (4) 48 (5) 39

14. 3.068% of 798 + 5.958% of 1089 = ?

- (1) 75 (2) 90 (3) 110 (4) 60 (5) 125

15. $13.023 \times 102.68 + 197.68 \times 12.05 = ?$

- (1) 3500 (2) 3600 (3) 3700 (4) 3800 (5) 3900

16. $\frac{(23.65)^2 - (48.35)^2}{0.9} = ?$

- (1) -1976 (2) -1864 (3) -1724 (4) -1684 (5) None of these

17. 76% of 960 - 45% of 148 = ?% of 5525

- (1) 15 (2) 20 (3) 24 (4) 30 (5) None of these

18. $(4096)3.7 \div (256)4.3 \times (64)5 \div (16)-4 = (4) ?$

- (1) 22 (2) 24 (3) 26 (4) 28 (5) None of these

19. $3\frac{2}{7}$ of $4\frac{5}{11}$ of $\frac{3}{35}$ of 3080 = ?

- (1) 3864 (2) 3948 (3) 4014 (4) 4124 (5) None of these

20. $\left[\sqrt[5]{\sqrt{38416}} \right]^{\frac{5}{2}} = ?$

- (1) 14 (2) 196 (3) 2744 (4) 38416 (5) None of these

Directions (Q. 1-5) : What value should come in place of question mark (?) in the following questions?

21. $(125 \div 0.5) \div 0.5 = 80\%$ of?

- (1) 500 (2) 525 (3) 550 (4) 600 (5) 625

22. $\sqrt{194481} = ?$

- (1) 17 (2) 19 (3) 21 (4) 23 (5) 27

23. $\frac{8.5}{0.25} + \frac{4.4}{0.2} = ?\%$ of 80

- (1) 60 (2) 64 (3) 70 (4) 75 (5) 80

24. $\frac{3}{5}$ of $\frac{4}{7}$ of $\frac{9}{11}$ of 21175 = $2^2 \times 3^3 \times ?$

- (1) 45 (2) 48 (3) 51 (4) 54 (5) 55

25. $\left[\sqrt[3]{\sqrt{83521}} \right]^{\frac{3}{2}} = ?$

- 1)13 2)17 3)21 4)23 5)29

26. 16.5% of 1399.921 + 114.78% of 1211 = ?

- (1) 1270 (2) 1350 (3) 1490 (4) 1530 (5) 1610

27. $\sqrt{1220} \times 16.06 + \sqrt{4897} = ?$

- (1) 610 (2) 620 (3) 630 (4) 640 (5) 650

28. $18.08 \times 11.898 + 22.922 \times 14.94 = ?$

(1) 520 (2) 560 (3) 540 (4) 580 (5) 610

29. $(2284.85 \div 4.985 + 17.126) \div 6.06 = ?$

(1) 61 (2) 65 (3) 69 (4) 75 (5) 79

30. $(445905 \div 981) + (1618 \div 64.8) = ?$

(1) 450 (2) 60 (3) 470 (4) 480 (5) 490

31. $(2401)^{\frac{3}{4}} + \frac{1}{343} + (49)^{\frac{7}{2}} = (7)^?$

(1) -2 (2) -1 (3) 1 (4) 2 (5) 3

32. 28.2% of 125 + 7.8% of 175 = 20% of ?

(1) 242.5 (2) 243.5 (3) 244.5 (4) 245.5 (5) 246.5

33. $\sqrt[3]{17576} \times 676 + \sqrt[3]{(2197)^5} = (4096)^{\frac{3}{8}}$

(1) 2 (2) 4 (3) 6 (4) 1 (5) 3

34. $252252 \div ? = 63 \times 77$

(1) 48 (2) 49 (3) 50 (4) 51 (5) 52

35. 125% of 225% of $\frac{7}{6}$ of 4128 = ?

(1) 13525 (2) 13535 (3) 13545 (4) 13555 (5) 13565

Directions (Q. 16-20): What approximate value should come in place of question mark (?) in the following questions?

36. $\{(5.75)^2 \times 4.996\} + 11.04 = ?$

(1) 5 (2) 15 (3) 25 (4) 35 (5) 45

37. 85% of 489.96 + 73% of 849.98 = ?

(1) 1015 (2) 1025 (3) 1035 (4) 1045 (5) 1055

38. $24.03 \times 18.96 - 7.25 \times 43.98 + 12.98 = ?$

(1) 150 (2) 175 (3) 200 (4) 225 (5) 250

39. $(644.96 \div 14.95 + 1.98) \times 15.966 = ?$

(1) 600 (2) 720 (3) 850 (4) 975 (5) 1020

40. $22.22 \times 33.3 \times 0.44 = ?$

(1) 310 (2) 315 (3) 320 (4) 325 (5) 330

Correct Answer	Wrong Answer	Negative Marks	Unmarked Questions	Total Marks

Verified By: _____

ANSWERS:

1.	2	2.	5	3.	4	4.	4	5.	3
6.	2	7.	5	8.	3	9.	5	10.	2
11.	1	12.	3	13.	2	14.	1	15.	3
16.	5	17.	4	18.	3	19.	4	20.	3
21.	2	22.	3	23.	3	24.	2	25.	5
26.	1	27.	3	28.	4	29.	4	30.	1
31	4	32	5	33	2	34	3	35	4
36	2	37	4	38	2	39	3	40	3

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