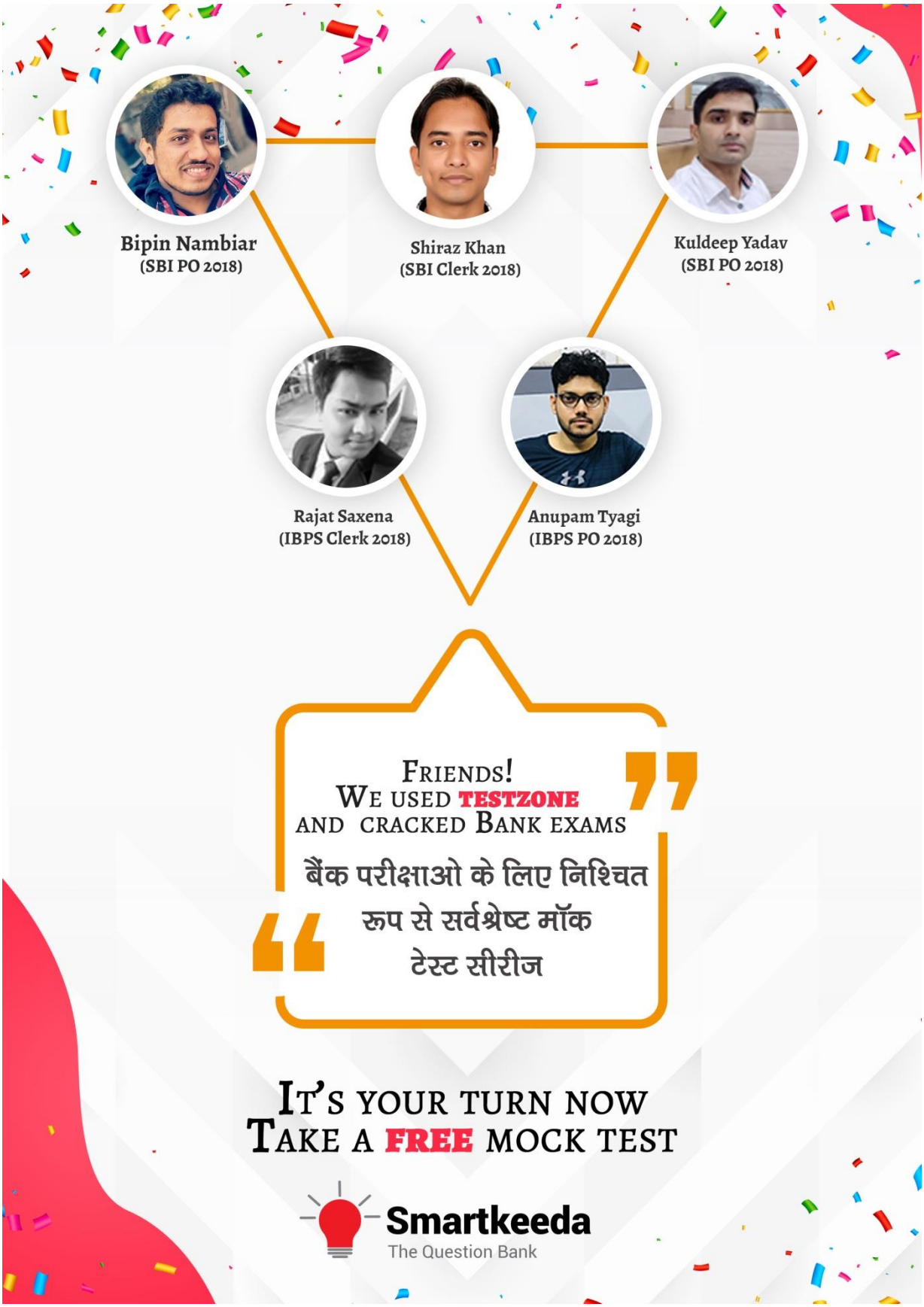
Bipin Nambiar
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The Question Bank

Approximation Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

Directions: What approximate value should come in place of Question mark (?) in the following question?

1. $\sqrt{8837} \times 20 \times 4.25 + \sqrt{5040} \times 10 \times 8.75 - \sqrt{4489} \times 5 \times 1.25 = ?$

A. 13575 B. 17255 C. 22485 D. 21850 E. 3785

2. $0.003 \times 0.9 \times 0.005 \times 0.2 + 0.008 \times 0.5 + 25.85 - 23.05 = ?$

A. 17 B. 11 C. 3 D. 5 E. None of these

3. $(2356.237 \times 4.9) - 1357.895 + 1124.237 - 425.231 + (35 \times 1.23) = ?$

A. 19052 B. 12952 C. 11156 D. 8992 E. 13852

4. $470.005 \times 99.92 + 337.89 + 472.05 - 137.88 \times 0.98 = ?$

A. 58447 B. 47672 C. 68947 D. 40132 E. 35000

5. $2222.1 \times 11 + 3333.1 \times 11.01 + 4444 \times 11 + 5555 \times 11 - 6666.1 \times 11 = ?$

A. 10864 B. 86884 C. 97768 D. 77768 E. 88768

6. ?% of $(5284.89 \div 7.08) = 986.01 - 533.06$

A. 42 B. 39 C. 74 D. 65 E. 60

7. $(1041.84 + ?) \div 3.02 = 1816.25 \div 4.01$

A. 442 B. 337 C. 385 D. 268 E. 320

8. 69.3% of $445.12 \div 14.06 = 623.08 \div ?$

A. 28 B. 19 C. 21 D. 33 E. 37

9. $?^2 + 114.09 - 24.06 \times 5.14 = 163.19$

A. 7 B. 13 C. 11 D. 15 E. 19

10. $768.16 \div 11.87 \times \sqrt{257} - 58.05 = ?$

A. 1033 B. 1175 C. 966 D. 880 E. 975

11. $(251.87 \times 8 \times 6.99) \div 25 = 11.986 + ?$

A. 448 B. 586 C. 568 D. 548 E. 652

12. 39.99% of $\left(256.039 - \frac{62}{2}\right) \times 38.23 = ?$

A. 5420 B. 4540 C. 3420 D. 2860 E. 3680

13. $(37.12)^2 + (43.88)^2 = (?^2 - \sqrt{2600}) \times \sqrt{1297}$

A. 6 B. 8 C. 10 D. 12 E. 14

14. $7241 \times 2\frac{4}{6} + 412 \div ? = 19377$

A. 3 B. 6 C. 9 D. 12 E. 18

15. $(?)^2 + (125)^2 = (250.13)^2 - (95.12)^2 - 5680$

A. 160 B. 165 C. 170 D. 179 E. 190

16. $1.2345 + 12.345 + 123.45 + 1234.5 + 12345 = ?$

A.. 13525 B. 14485 C. 13715 D. 14245 E. 13955

17. $54321 - 5432.1 - 543.21 - 5.4321 - .54321 = ?$

A. 46580 B. 44780 C. 48340 D. 46880 E. 48480

18. $64 \times 16 \div 256 = (4)^{(? - 3)}$

A. 1 B. 4 C. 5 D. 3 E. 8

19. $\frac{120.67 \times 198.87 \times 208.89}{12 \times 18 \times 11} = ?$

A. 2090 B. 2444 C. 2540 D. 2870 E. 2950

20. $\sqrt{(?)} + (14)^2 \times 18 \div 6 - 1029 = 83 \times (12 - 7)$

A. 676112 B. 264323 C. 567126 D. 243236 E. 732736

21. $6575 \div 74.95 + \sqrt{630} \times 14.83 = ?$

A. 550 B. 463 C. 320 D. 256 E. 680

22. $\sqrt{(29.98\% \ of \ 779.95) + (25.05\% \ of \ 219.97)} = ?$

A. 28 B. 17 C. 35 D. 24 E. 39

23. $198.05 \times 126.05 \div 76.87 + 178.44 - 294.77 = ?$

A. 324 B. 315 C. 295 D. 154 E. 207

24. 0.5% of 4789.823 + 0.7% of 330.732 = ?

A. 42 B. 26 C. 35 D. 20 E. 17

25. $(26.912)^2 \times 6.001 \div 6.12 + (7.03)^3 + 40.02 = ? - 210.75$

A. 1685 B. 1158 C. 1323 D. 1925 E. 1485

26. $54.997 \times 47.993 - ?\ \%\ \text{of}\ 8001.009 = (11.899)^3 + 67.896 \times 4.003$

A. 11.5 B. 8 C. 7 D. 10.5 E. 22

27. $\frac{354.08 + ?}{31.98} + 124.89\ \%\ \text{of}\ 64.03 - (361.06)^{1/2} = (1000000.11)^{1/3}$

A. 980 B. 688 C. 872 D. 426 E. 894

28. $\frac{4589.79}{?} + (24.89)^2 - 36.89\ \%\ \text{of}\ 4798.98 + 104.87 = (21.86)^2$

A. 6 B. 12 C. 11 D. 3 E. None of these

29. $44.03 \times 24.98 + 48.03 \times 14.99 + ? = 32.07\ \%\ \text{of}\ 6000.08$

A. 76 B. 90 C. 100 D. 110 E. 120

30. $?\ \%\ \text{of}\ 699.98 + (20.91)^2 - (3843.95)^{1/2} = (17.93)^3$

A. 972 B. 439 C. 853 D. 630 E. 779

31. $2831.994 \div 23.998 + 11.99^2 \div 5.991 = ?^2$

A. 144 B. 12 C. 195 D. 14 E. 17

32. $\left(\frac{1}{24.99 \times 32.12} - \frac{1}{32.12}\right) \times (406.103 - 2 \times 3) = ?$

A. – 36 B. – 72 C. 12 D. – 12 E. 36

33. $10.805 \times 2.5 \times 9.99^2 = ?$

A. 2500 B. 2300 C. 2700 D. 3100 E. 3500

34. $8.99 \times 8.99 \times 8.99 \div 2.99 = 3^{?}$

A. 7 B. 9 C. 3 D. 2 E. 5

35. $14.982^2 \div 5.001^2 \times 4.990 \times 5^{-1} = ?$

A. 45 B. 75 C. 225 D. 9 E. 25

36. $\sqrt{15626} \times \sqrt{8650} - (54.06)^2 = ? + (72.039)^2$

A. 3000 B. 3525 C. 3900 D. 4250 E. 3225

37. $(1522.76 + 2889.57 - 1025.14) \div 4.05 \times 2 = ? + 134.099$

A. 1400 B. 1450 C. 1560 D. 1640 E. 1680

38. 37% of $924 + \sqrt{290} \div 25 \times 450 = ?^2 - \sqrt{6725}$

A. 18 B. 21 C. 27 D. 35 E. 29

39. $\frac{499}{55} \times \frac{501}{89} \div \frac{35}{199} = ?\%$ of 1450

A. 40 B. 20 C. 10 D. 45 E. 36

40. $(\sqrt{7920} \times \sqrt{3482}) - (68.06)^2 = (?)^2 - 48.92$

A. 56 B. 36 C. 26 D. 16 E. 34

41. $\left(39.99\% \text{ of } \frac{2}{5} + 60.05\% \text{ of } \frac{1}{5}\right) \times 10^3 = ?$

A. 369 B. – 369 C. 279 D. – 279 E. – 159

42. $12.99^2 + \sqrt{?^2} = 11.10^2 + 14.009^2$

A. 29929 B. 383 C. 146689 D. 148 E. 293

43. $(22.99 + 17.01) \div 1.998 \times 3.997 - 41.998 + 644.199 = ?$

A. 798 B. 542 C. 682 D. 745 E. 762

44. $(0.000729)^{1/6}$ of $30^2 \div 3 + 15^2 = ?$

A. 1125 B. 315 C. 9225 D. 875 E. 1158

45. $1\frac{1}{16.99}$ of 50.988 + ?% of 5500 = 41.9922 + 49.99

A. 64 B. 82 C. 32 D. 52 E. 62

46. 936.045 ÷ 13.063 ÷ 4.033 × 11.996 – 12.998 × 12.98 = ?

A. 47 B. 159 C. 281 D. 137 E. 198

47. $17.992^2 + 21.102^2 = 1.99^7 + ?$

A. 458 B. 637 C. 735 D. 883 E. 747

48. $\sqrt{?} \times 15.083 + 24.988\%$ of $640.032 = 9.999^3$

A. 384 B. 3644 C. 3136 D. 2304 E. 3364

49. $555 \div 18.5 + 10^5 \div 2^5 = ?$

A. 3265 B. 3145 C. 3155 D. 3385 E. 3398

50. 443.994 ÷ 16.001 ÷ 36.99 × 12.02 = ?

A. 1 B. 9 C. 81 D. 125 E. 243

Correct Answers:

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

Explanations:

1. $\sqrt{8837} \times 20 \times 4.25 + \sqrt{5040} \times 10 \times 8.75 - \sqrt{4489} \times 5 \times 1.25 = ?$

$? \approx \sqrt{8836} \times 20 \times 4 + \sqrt{5041} \times 10 \times 9 - \sqrt{4489} \times 5 \times 1$

$= 94 \times 80 + 71 \times 90 - 67 \times 5$

$= 7520 + 6390 - 335$

$= 13575$

Hence, option A is correct.

2. $0.003 \times 0.9 \times 0.005 \times 0.2 + 0.008 \times 0.5 + 25.85 - 23.05 = ?$

$? = 0.0027 \times 0.0001 + 0.0004 + 25.85 - 23.05$

$= 0.0000027 + 0.004 + 2.8$

$= 2.8040027 \approx 3$

Hence, option C is correct.

3. $(2356.237 \times 4.9) - 1357.895 + 1124.237 - 425.231 + (35 \times 1.23) = ?$

$? = (2356 \times 5) - 1358 + 1124 - 425 + (35 \times 1)$

$? = 11780 - 1358 + 1124 - 425 + 35$

$? = 11780 - 624 = 11156$

Hence, option C is correct.

4. $470.005 \times 99.92 + 337.89 + 472.05 - 137.88 \times 0.98 = ?$

$? \approx 470 \times 100 + 338 + 472 - 138 \times 1$

$? \approx 47000 + 810 - 138$

$? \approx 47672$

Hence, option B is correct.

5. $2222.1 \times 11 + 3333.1 \times 11.01 + 4444 \times 11 + 5555 \times 11 - 6666.1 \times 11 = ?$

$? \approx 2222 \times 11 + 3333 \times 11 + 4444 \times 11 + 5555 \times 11 - 6666 \times 11$

$= 11[2222 + 3333 + 4444 + 5555 - 6666]$

$= 11[2222 + 3333 + 4444 + 5555 - 6666]$

$= 11 \times 8888 = 97768$

Hence, option C is correct.

6. $?\%$ of $(5284.89 \div 7.08) = 986.01 - 533.06$

$\approx ?\%$ of $(5285 \div 7) = 986 - 533$

$\Rightarrow ? \times (755) = 453 \times 100$

$\Rightarrow ? = \frac{453 \times 100}{755} = 60$

Hence, option E is correct.

7. $(1041.84 + ?) \div 3.02 = 1816.25 \div 4.01$

$\approx (1042 + ?) \div 3 = 1816 \div 4$

$= (1042 + ?) = 454 \times 3$

$= ? = 1362 - 1042 = 320$

Hence option E is correct.

8. 69.3% of $445.12 \div 14.06 = 623.08 \div ?$

$\approx$ 69% of $445 \div 14 = 623 \div ?$

$= \frac{69 \times 445}{100 \times 14} = \frac{623}{?}$

$? = \frac{623 \times 100 \times 14}{69 \times 445} = 28.40 \approx 28$

Hence, option A is correct.

9. $?^2 + 114.09 - 24.06 \times 5.14 = 163.19$

$\approx ?^2 + 114 - 24 \times 5 = 163$

$\approx ?^2 - 120 = 163 - 114$

$\approx ?^2 = 49 + 120$

$\approx ?^2 = 169 = 13$

Hence, option B is correct.

10. $768.16 \div 11.87 \times \sqrt{257} - 58.05 = ?$

$?\approx 768 \div 12 \times \sqrt{256} - 58$

$? \approx 64 \times 16 - 58$

$? \approx 1024 - 58 = 966$

Hence, option C is correct.

11. $11.986 + ? = (251.87 \times 8 \times 6.99) \div 25$

$\Rightarrow 12 + ? \approx (252 \times 8 \times 7) \div 25$

$\Rightarrow 12 + ? = (10.08 \times 8 \times 7)$

$\Rightarrow 12 + ? \approx 560$

$? = 560 - 12 = 548$

Hence, option D is correct.

12.

39.99% of $\left(256.039 - \frac{62}{2}\right) \times 38.23 = ?$

$? = 39.99\%$ of $\left(256.039 - \frac{62}{2}\right) \times 38.23$

$\approx 40\%$ of $\left(256 - \frac{62}{2}\right) \times 38$

$\Rightarrow ? = (256 - 31) \times 38$

$\Rightarrow ? = 40\%$ of 225×38

$\Rightarrow ? = 90 \times 38 = 3420$

Hence, option C is correct.

13. $(37.12)^2 + (43.88)^2 = (?^2 - \sqrt{2600}) \times \sqrt{1297}$

$\Rightarrow (37)^2 + (44)^2 \approx (?^2 - \sqrt{2601}) \times \sqrt{1296}$

$?^2 - 51 = \frac{37^2 + 44^2}{36} = \frac{1369 + 1936}{36} = \frac{3305}{36} = 91.8$

$\Rightarrow ?^2 = 91.8 + 51 = 142.80 \approx 144$

$\Rightarrow ? = \sqrt{144} = 12$

Hence, option D is correct.

14. In Approximation,

$7241 \times \frac{16}{6} + 412 \div ? = 19377$

$19309.33 + 412 \div ? = 19377$

$412 \div ? = 19377 - 19309 = 68$

$? = 412 \div 68$

$? = \frac{412}{68} = 6.05 = \approx 6$

Hence, option B is correct.

15. $(?)^2 + (125)^2 = (250.13)^2 - (95.12)^2 - 5680$

$(?)^2 + 15625 = \approx (250)^2 - (95)^2 - 5680$

$(?)^2 + 15625 = 62500 - 9025 - 5680$

$(?)^2 + 15625 = 47795$

$(?)^2 = 47795 - 15625 = 32170$

$? = 179.35$

$? \approx 179$

Hence, option D is correct.

16. $1.2345 + 12.345 + 123.45 + 1234.5 + 12345 = ?$

$1 + 12 + 123 + 1234 + 12345 = ?$

$? = 13715$

Hence, option C is correct.

17. $54321 - 5432 - 543 - 5 - 1 = ?$

$? = 48340$

Hence, option C is correct.

18. $64 = 4^3$; $16 = 4^2$; $256 = 4^4$

Hence,

$64 \times 16 \div 256 = (4)^{(?-3)}$

$4^{3+2-4} = (4)^{(?-3)}$

$4^1 = (4)^{(?-3)}$

$? - 3 = 1$

$? = 4$

Hence, option B is correct.

19.

$\frac{120.67 \times 198.87 \times 208.89}{12 \times 18 \times 11} = ?$

$\frac{120 \times 198 \times 209}{12 \times 18 \times 11} = ?$

$= 10 \times 11 \times 19 = 2090$

Hence, option A is correct.

20. √(?) + 196 × 3 – 1029 = 83 × 5

⇒√? – 441 = 83 × 5

⇒ ? = $(856)^2$

⇒ ? = 732736

Hence, option E is correct

21. 6575 ÷ 74.95 + √630 × 14.83 = ?

88 + 25 × 15 ≈ ?

? = 463

Hence, option B is correct.

22. $\sqrt{(29.98\%\ of\ 779.95) + (25.05\%\ of\ 219.97)} = ?$

$? \approx \sqrt{(30\%\ of\ 780) + (25\%\ of\ 220)}$

$? = \sqrt{234 + 55}$

$? = \sqrt{289}$

? = 17

Hence, option D is correct.

23. $? \approx 198 \times 126 \div 77 + 178 - 295$

$? = 198 \times 126 \times (1/77) + 178 - 295$

$? = 324 + 178 - 295$

$? = 207$

Hence, option E is correct.

24. 0.5% of 4789.823 + 0.7% of 330.732 = ?

$\text{or, } ? \approx \frac{4790}{200} + \frac{331}{100} \times (0.7) \approx 24 + 2 = 26$

Hence, option B is correct.

25. $(26.912)^2 \times 6.001 \div 6.12 + (7.03)^3 + 40.02 = ? - 210.75$

$\text{Or, } (27)^2 \times 6 \times \frac{1}{6} + (7)^3 + 40 \approx ? - 211$

$\text{or, } ? \approx 729 + 343 + 40 + 211 = 1323$

Hence, option C is correct.

26. $54.997 \times 47.993 - ?\% \text{ of } 8001.009 = (11.899)^3 + 67.896 \times 4.003$

$55 \times 48 - \frac{?}{100} \times 8000 \approx (12)^3 + 68 \times 4$

$\frac{?}{100} \times 8000 = 2640 - 1728 - 272$

$? = \frac{640 \times 100}{8000} = 8$

Hence, option B is correct.

27.

$\frac{(354.08 + ?)}{31.98} + 124.89\ \%\ \text{of}\ 64.03 - (361.06)^{1/2} = (1000000.11)^{1/3}$

$\frac{354 + ?}{32} + \frac{125}{100} \times 64 - (361)^{1/2} \approx (1000000)^{1/3}$

$\frac{354 + ?}{32} = 100 + 19 - 80$

$(354 + ?) = 39 \times 32$

$? = 1248 - 354 = 894$

Hence, option E is correct.

28.

$\frac{(4589.79)}{?} + (24.89)^2 - 36.89\ \%\ \text{of}\ 4798.98 + 104.87 = (21.86)^2$

$\frac{4590}{?} + (25)^2 - \frac{37 \times 4800}{100} + 105 = (22)^2$

$\frac{4590}{?} + 625 - 1776 + 105 = 484$

$\frac{4590}{?} = (484 + 1776 - 730)$

$? = \frac{4590}{1530} = 3$

Hence, option D is correct.

29. $44.03 \times 24.98 + 48.03 \times 14.99 + ? = 32.07\ \%\ \text{of}\ 6000.08$

$44 \times 25 + 48 \times 15 + ? = \frac{32}{100}\ \text{of}\ 6000$

$1100 + 720 + ? = 1920$

$? = 1920 - 1820 = 100$

Hence, option C is correct.

30. ? % of 699.98 + $(20.91)^2$ – $(3843.95)^{1/2}$ = $(17.93)^3$

$\frac{?}{100} \times 700 + (21)^2 - (3844)^{1/2} = (18)^3$

$\frac{?}{100} \times 700 + 441 - 62 = 5832$

$\frac{?}{100} \times 700 = 5832 - 441 + 62$

$? = \frac{5453}{7} = 779$

Hence, option E is correct.

31. $2831.994 \div 23.998 + 11.99^2 \div 5.991 = ?^2$

$\frac{2832}{24} + \frac{12^2}{6} \approx ?^2$

$118 + 24 = 144 = ?^2$

$? = \pm 12$

Hence, option B is correct.

32.

$(\frac{1}{24.99 \times 32.12} - \frac{1}{32.12}) \times (406.103 - 2 \times 3) = ?$

$? \approx \frac{1}{32}(\frac{1}{25} - 1) \times (406 - 6)$

$? = -\frac{24}{25 \times 32} \times 400$

$? = \frac{-24 \times 16}{32} = -12$

Hence, option D is correct.

33. $10.805 \times 2.5 \times 9.99^2 = ?$

$10.8 \times \frac{5}{2} \times 10^2 \approx ?$

$5.4 \times 5 \times 100 = ?$

$? = 2700$

Hence, option C is correct.

34. $8.99 \times 8.99 \times 8.99 \div 2.99 = 3^?$

$9 \times 9 \times \frac{9}{3} \approx 3^?$

$9 \times 9 \times 3 = 3^5 = 3^?$

Hence, option E is correct.

35. $14.982^2 \div 5.001^2 \times 4.990 \times 5^{-1} = ?$

$\frac{15^2}{5^2} \times 5 \times \frac{1}{5} = ?$

$? = 3^2 = 9$

Hence, option D is correct.

36. $\sqrt{15626} \times \sqrt{8650} - (54.06)^2 = ? + (72.039)^2$

Or, $? \approx \sqrt{15625} \times \sqrt{8649} - (54)^2 - (72)^2$

$\approx 125 \times 93 - 2916 - 5184$

$= 11625 - 8100 = 3525$

Hence, option B is correct.

37. $(1522.76 + 2889.57 - 1025.14) \div 4.05 \times 2 = ? + 134.099$

$\approx \frac{1523 + 2890 - 1025}{4} \times 2 = ? + 134$

$= \frac{4413 - 1025}{2} = ? + 134$

$= \frac{3388}{2} = ? + 134$

$= 1694 = ? + 134$

$? = 1694 - 134 = 1560$

Hence, option C is correct.

8. 37% of $924 + \sqrt{290} \div 25 \times 450 = ?^2 - \sqrt{6725}$

$341.88 + \sqrt{290} \div 25 \times 450 = ?^2 - \sqrt{6725}$

$342 + \sqrt{289} \div 25 \times 450 \approx ?^2 - \sqrt{6724}$

$342 + 17 \times 18 = ?^2 - 82$ $342 + 306 + 82 = ?^2$

$?^2 = 730 \approx 729$

$? = 27$

Hence, option C is correct.

39.

$?\%$ of $1450 = \frac{499}{55} \times \frac{501}{89} \div \frac{35}{199}$

$? \times 14.5 \approx \frac{500}{55} \times \frac{502}{90} \times \frac{200}{35}$

$? = 289.75$

$? \approx 290 / 14.5 = 20$

Hence, option B is correct.

40. $(\sqrt{7920} \times \sqrt{3482}) - (68.06)^2 = (?)^2 - 48.92$

$(\sqrt{7921} \times \sqrt{3481}) - (68)^2 \approx (?)^2 - 49$

$(89 \times 59) - 4624 = (?)^2 - 49$

$5251 - 4624 = (?)^2 - 49$

$(?)^2 = 627 + 49$

$(?)^2 = 676$

$? = \sqrt{676}$

$? = 26$

Hence, option C is correct.

41.

$\left(39.99\% \text{ of } \frac{2}{5} + 60.05\% \text{ of } \frac{1}{5}\right) \times 10^3 + ? = 1$

$\left(40\% \text{ of } \frac{2}{5} + 60\% \text{ of } \frac{1}{5}\right) \times 1000 + ? \approx 1$

$? = 1 - (0.16 + 0.12) \times 1000$

$? = 1 - 0.28 \times 1000 = 1 - 280 = -279$

Hence, option D is correct.

42. $12.99^2 + \sqrt{?^2} = 11.10^2 + 14.009^2$

$13^2 + ? \approx 11^2 + 14^2$

$? = (121 + 196) - 169$

$? = 148$

Hence, option D is correct.

43. $(22.99 + 17.01) \div 1.998 \times 3.997 - 41.998 + 644.199 = ?$

$\frac{23 + 17}{2} \times 4 - 42 + 644 \approx ?$

$? = 20 \times 4 - 42 + 644$

$? = 80 + 644 - 42 = 724 - 42 = 682$

Hence, option C is correct.

44. $(0.000729)^{1/6}$ of $30^2 \div 3 + 15^2 = ?$

$? \approx 0.3 \times 900 \div 3 + 225$

$? = \frac{270}{3} + 225$

$? = 90 + 225 = 315$

Hence, option B is correct.

45.

$1\frac{1}{16.99}$ of $50.988 + ?\%$ of $5500 = 41.992^2 + 49.99$

$1\frac{1}{17}$ of $51 + ?\%$ of $5500 \approx 42^2 + 50$

$18 \times \frac{51}{17} + ?\%$ of $5500 \approx 1764 + 50$

$54 + ?\%$ of $5500 = 1814$

$?\%$ of $5500 = 1814 - 54 = 1760$

$? = 100 \times \frac{1760}{5500} = 32$

Hence, option C is correct.

46. $936.045 \div 13.063 \div 4.033 \times 11.996 - 12.998 \times 12.98 = ?$

$? \approx 936 \div 13 \div 4 \times 12 - 13 \times 13$

$? = \frac{936}{13 \times 4} \times 12 - 13 \times 13$

$? = 18 \times 12 - 13 \times 13$

$? = 216 - 169 = 47$

Hence, option A is correct.

47. $17.992^2 + 21.102^2 = 1.99^7 + ?$

$18^2 + 21^2 \approx 2^7 + ?$

$? = 324 + 441 - 128 = 637$

Hence, option B is correct.

48. $\sqrt{?} \times 15.083 + 24.988\%$ of $640.032 = 9.999^3$

$?^{1/2} \times 15 + 25\%$ of $640 \approx 10^3$

$?^{1/2} \times 15 + 160 = 1000$

$?^{1/2} \times 15 = 840$

$?^{1/2} = 56$

$? = 56^2 = 3136$

Hence, option C is correct.

49. $555 \div 18.5 + 10^5 \div 2^5 = ?$

$\frac{555}{18.5} + \frac{10^5}{2^5} = ?$

$? = 30 + 5^5$
$? = 3125 + 30$
$? = 3155$

Hence, option C is correct.

50. $443.994 \div 16.001 \div 36.99 \times 12.02 = ?$

$? \approx \frac{444}{16 \times 37} \times 12$

$? = 3 \times 3 = 9$

Hence, option B is correct.