Approximation

Direction (01 – 06): What approximate value should come in place of Question mark (?) in the following equation?

1. $\sqrt{145} + \sqrt{840} + \sqrt[3]{510} = x$
(A) 49 **(B)** 45
(C) 52 **(D)** 38
(E) 55

2. 13870.25 + 133% of 1600.43 $-\frac{7}{5}$ of 4569.87 $+\frac{1}{3}$ of 257.67 = ?
(A) 8686 **(B)** 9686
(C) 8900 **(D)** 7986
(E) 9866

3. 5539.98 + 140.15 × 5.96 – 76.98 ×13 + 10.12% of 1199 – 9.86% of 60.32 = ?
(A) 5493 **(B)** 6584
(C) 7134 **(D)** 8054
(E) 5694

4. 6499 + 3601 × 14.989 – 8799.9+97.334 = ?
(A) 51800 **(B)** 52300
(C) 48000 **(D)** 1700
(E) 59800

5. $\frac{5}{7}$ of 7001 + 101.21 + $\frac{6}{9}$ of 863 $-3\frac{2}{7}$ OF 1751
(A) –37 **(B)** 60
(C) 80 **(D)** –16
(E) –73

6. $32\sqrt[3]{?} + 17.08^2 + 601 = 1800$
(A) 3 **(B)** 6
(C) 9 **(D)** 12
(E) 18

Direction (07 – 11): What appropriate value should come in place of question mark (?) in the following questions :

7. $(13.68)^2 – (4.78)^2 + (8.28)^3 – (5.24)^3 = ?$
(A) 600 **(B)** 520
(C) 624 **(D)** 636
(E) 612

8. $\sqrt{1024.002} \div 3.996 \div 9.98 + 29 = ?$
(A) 3 **(B)** 9
(C) 30 **(D)** 90
(E) 80

9. $\sqrt{?} = (1248.28 + 51.7) \div 99.9 - 7.98$
(A) 49 **(B)** 81
(C) 64 **(D)** 16
(E) 25

10. $(4444 \div 40) + (645 \div 25) + (3991 \div 26) = ?$
(A) 280.4 **(B)** 290.4
(C) 295.4 **(D)** 285.4
(E) None of these

11. $\sqrt{33124} \times \sqrt{2601} - (83)^2 = (?)^2 + (37)^2$
(A) 37 **(B)** 33
(C) 34 **(D)** 28
(E) None of these

12. What approximate value will come in place of question mark (?) in the following question?
$4^? \times \sqrt{226} = 245.998 \div 8.001 + 929.99$
(A) 4 **(B)** 5
(C) 3 **(D)** 2
(E) 1

Direction (13 – 16): What approximate value will come in place of question mark (?) in the following question?

13. $27^2 \times 12^3/(48/0.5^2) = 3^?$
(A) 7 **(B)** 9
(C) 6 **(D)** 8
(E) 4

14. 35% of (336/10.5 – 360/22.5) = ?
(A) 1/10 **(B)** 28/5
(C) 74/5 **(D)** 42/5
(E) 41/8

15. 20% of 250 × 120% of ? = 480
(A) 14 **(B)** 12
(C) 10 **(D)** 8
(E) 4

66. 11.11 × 9 + √(1224) = ?/3
(A) 504 **(B)** 405
(C) 270 **(D)** 720
(E) 640

17. What approximate value should come in the place of question mark (?) in the following question?
263.99 ÷ (35.05 + 8.08 – 31.99) = ?
(A) 22 **(B)** 24
(C) 34 **(D)** 18
(E) 28

18. What approximate value should come in the place of question mark (?) in the following question?
24.96% of 299.99 + 44.98% of 399.99 = ?
(A) 245 **(B)** 225
(C) 235 **(D)** 255
(E) 265

19. What approximate value should come in the place of question mark (?) in the following question?
119.99 – {64.95 + 119.99 ÷ 3.99} = ?2
(A) 15 **(B)** 10
(C) 8 **(D)** 7
(E) 5

20. What approximate value should come in the place of question mark (?) in the following question?
√255.95 + 14.99 × 2.99 = ? + 11.11
(A) 40 **(B)** 50
(C) 60 **(D)** 55
(E) 45