Practice Questions

Type 1 To Find the Exact Value

Directions (Q. Nos. 1 to 15) *What will come in place of question mark (?) in the following questions ?*

1. $\sqrt{29929} = ?$
(1) 173 (2) 163 (3) 196 (4) 186
(5) 175

2. $\sqrt{106.09} = ?$
(1) 10.6 (2) 10.5 (3) 10.3 (4) 10.2
(5) 10.9

3. $\frac{\sqrt{243}}{\sqrt{3}} = ?$
(1) 12 (2) 9 (3) 15 (4) 6
(5) 8

4. $\frac{?}{\sqrt{196}} = 5$
(1) 76 (2) 72 (3) 70 (4) 75
(5) 78

5. $\frac{\sqrt{1080}}{\sqrt{120}} = ?$
(1) 5 (2) 8 (3) 6 (4) 4
(5) 3

6. $\sqrt{3000} \times \sqrt{30} = ?$
(1) 30 (2) 300 (3) 350 (4) 35
(5) 360

7. $\frac{420}{\sqrt{?}} = 15$
(1) 596 (2) 684 (3) 685 (4) 784
(5) 785

8. $\sqrt{\frac{?}{225}} = 2$
(1) 900 (2) 950 (3) 975 (4) 925
(5) 990

9. $\sqrt{217 + \sqrt{52 + \sqrt{144}}} = ?$
(1) 18 (2) 16 (3) 12 (4) 15
(5) 10

10. $\sqrt{0.04 + \sqrt{0.0025}} = ?$
(1) 0.35 (2) 0.16 (3) 0.25 (4) 0.2
(5) 0.3

11. $\frac{\sqrt{1156}}{\sqrt{289}} = \frac{?}{12.5}$
(1) 24 (2) 25 (3) 23 (4) 22
(5) None of these

12. $(\sqrt{81796})^2 = (?)^2$
(1) 286 (2) 281 (3) 284 (4) 289
(5) None of these

13. $\sqrt[3]{46656} = ?$
(1) 46 (2) 26 (3) 16 (4) 36
(5) None of these

14. $\sqrt[3]{140.608} = ?$
(1) 5.2 (2) 4.2 (3) 6.2 (4) 7.2
(5) None of these

15. $\frac{\sqrt[3]{512}}{\sqrt{?}} = \sqrt{144}$
(1) $\frac{2}{9}$ (2) $\frac{4}{9}$ (3) $\frac{4}{25}$ (4) $\frac{9}{25}$
(5) None of these

Type 2 To Find the Approximate Value

Directions (Q. Nos. 16 to 30) *What approximate value should come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value)*

16. $\sqrt{197} + \sqrt{365} = ?$
(1) 35 (2) 33 (3) 37 (4) 31
(5) None of these

17. $\sqrt{4890} = ?$
(1) 70 (2) 75 (3) 78 (4) 73
(5) None of these

18. $\sqrt[3]{941190} = ?$
(1) 98 (2) 94 (3) 96 (4) 92
(5) None of these

19. $\sqrt{675.001} + (4.005)^3 = ?$
(1) 84 (2) 86 (3) 90 (4) 94
(5) None of these

20. $\sqrt{727.99950} + (5.1961)^2 = ? \div \frac{2}{10.7960}$
(1) 53 (2) 44 (3) 5 (4) 15
(5) None of these

21. $(72)^2 \div \sqrt[3]{46650} = ?$
(1) 169 (2) 196
(3) 144 (4) 136
(5) None of these

22. $\sqrt{6148} - 4 \times ? = 726 \div 11$
(1) 3 (2) 5 (3) 7 (4) 9
(5) None of these

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