

Quiz Date: 17th February 2020

Direction (1 – 15): What approximate value should come in the place of question (?) marks in the given question:

Q1. 270.05% of $19.99 + 29.95 \times 2.01 = ? \times 2$

- (a) 51
- (b) 53
- (c) 57
- (d) 60
- (e) 62

Q2. $\sqrt[3]{27.03 \times 64.07} + \sqrt{63.93 \times 6.26} = \sqrt{? \times 4}$

- (a) 16
- (b) 256
- (c) 4
- (d) 512
- (e) 216

Q3. $16.09 \times \sqrt[3]{215.99} - \frac{23.95 \times 7.06}{2.93 \times 2.01} = \sqrt{?} + \sqrt{676.87}$

- (a) 1676
- (b) 1324
- (c) 1764
- (d) 1729
- (e) 1024

Q4. $? \%$ of $349.89 + (24.87)^2 = 67.46 + 19.99\%$ of 2962.41

- (a) 7
- (b) 2
- (c) 5
- (d) 10
- (e) 15

Q5. $\frac{2187.37}{(2.99)^{4.99}} + ? = \frac{124.92 \times 24.89}{(4.89)^2}$

- (a) 105
- (b) 116
- (c) 124
- (d) 135
- (e) 145

Q6. $11.01^2 + 21.9^2 - 20.01^2 = ? - 16.9^2$

- (a) 476
- (b) 459

- (c) 594
- (d) 494
- (e) 394

Q7. 34.98% of $200.01 + 49.97\%$ of $124.98 = 499\%$ of ?

- (a) 22
- (b) 54
- (c) 26
- (d) 34
- (e) 42

Q8. $47.89 \div 5.93 + 250.1001 \div 9.98 = 9.9\%$ of ?

- (a) 420
- (b) 330
- (c) 390
- (d) 290
- (e) 490

Q9. $\sqrt{255} + \sqrt{626} + \sqrt[3]{729.12} = 24.91\%$ of ?

- (a) 148
- (b) 190
- (c) 75
- (d) 118
- (e) 200

Q10. $1699.98 \div 99.97 + 5640.02 \div 59.98 - \frac{9.9}{11.9}$ of $71.89 = ?$

- (a) 76
- (b) 51
- (c) 62
- (d) 36
- (e) 45

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Q11. $399.98 \div 7.99 + (3.99)^{2.9} - 91.99 = ?$

- (a) 32
- (b) 28
- (c) 22
- (d) 36
- (e) 42

Q12. $\sqrt[3]{1330} \times 342.98 \div 48.99 - 27.9 = ?$

- (a) 55
- (b) 49
- (c) 62
- (d) 42
- (e) 39

Q13. 49.9% of 799.98 – 29.98% of 649.98 = ?

- (a) 190
- (b) 225
- (c) 200
- (d) 205
- (e) 185

Q14. $1/3^{\text{rd}}$ of 299.98 $\div \sqrt{99.99} + \sqrt[4]{257} = ?$

- (a) 14
- (b) 19
- (c) 21
- (d) 26
- (e) 31

Q15. $? = (\sqrt{120.9} + \sqrt{25.01}) \div (\sqrt{783.99} - \sqrt{575.95})$

- (a) 6
- (b) 3
- (c) 4
- (d) 5
- (e) 2

Solutions

S1. Ans.(c)

Sol.

$$\frac{20 \times 270}{100} + 30 \times 2 = ? \times 2$$

$$54 + 60 = ? \times 2$$

$$\frac{114}{2} = ?$$

$$57 = ?$$

S2. Ans.(b)

Sol.

$$\sqrt[3]{27 \times 64} + \sqrt{64 \times 6.25} = \sqrt{? \times 4}$$

$$3 \times 4 + 8 \times 2.5 = \sqrt{? \times 4}$$

$$\frac{32}{2} = \sqrt{?}$$

$$? = 256$$

S3. Ans.(c)

Sol.

$$16 \times 6 - \frac{24 \times 7}{3 \times 2} = \sqrt{?} + 26$$

$$96 - 4 \times 7 = \sqrt{?} + 26$$

$$96 - 28 - 26 = \sqrt{?}$$

$$96 - 54 = \sqrt{?}$$

$$? = 1764$$

S4. Ans.(d)

Sol.

$$? \% \text{ of } 350 + (25)^2 = 67.5 + 20\% \text{ of } 2962.5$$

$$? \% \text{ of } 350 + 625 = 67.5 + \frac{2963}{5}$$

$$? \% \text{ of } 350 = 67.5 + 592.5 - 625$$

$$? \% \text{ of } 350 = 35$$

$$? = 10$$

S5. Ans.(b)

Sol.

$$\frac{2187}{3^5} + ? = \frac{125 \times 25}{5^2}$$

$$\frac{2187}{243} + ? = 125$$

$$? = 116$$

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S6. Ans.(d)

Sol.

$$\begin{aligned} ? &\approx 11^2 + 22^2 - 20^2 + 17^2 \\ &\approx 121 + 484 - 400 + 289 \\ &\approx 494 \end{aligned}$$

S7. Ans.(c)

Sol.

$$\begin{aligned} \frac{500}{100} \times ? &\approx \frac{35}{100} \times 200 + \frac{50}{100} \times 125 \\ \Rightarrow ? &\approx \frac{132.5}{5} \\ \Rightarrow ? &\approx 26.5 \approx 26 \end{aligned}$$

S8. Ans.(b)

Sol.

$$\begin{aligned} \frac{?}{10} &\approx 48 \div 6 + 250 \div 10 \\ \Rightarrow ? &\approx 330 \end{aligned}$$

S9. Ans.(e)

Sol.

$$\begin{aligned} \frac{25}{100} \times ? &\approx 16 + 25 + 9 \\ \Rightarrow ? &\approx 200 \end{aligned}$$

S10. Ans.(b)

Sol.

$$\begin{aligned} ? &\approx \frac{1700}{100} + \frac{5640}{60} - \frac{10}{12} \times 72 \\ &\approx 17 + 94 - 60 \\ &\approx 51 \end{aligned}$$

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S11. Ans.(c)

Sol.

$$? \approx \frac{400}{8} + 4^3 - 92$$

$$\approx 22$$

S12. Ans.(b)

Sol.

$$? \approx 11 \times 343 \div 49 - 28$$

$$? \approx 49$$

S13. Ans.(d)

Sol.

$$? = \frac{50}{100} \times 800 - \frac{30}{100} \times 650$$

$$? \approx 205$$

S14. Ans.(a)

Sol.

$$? \approx \frac{1}{3} \times 300 \div 10 + 4$$

$$? \approx 14$$

S15. Ans.(c)

Sol.

$$? \approx (\sqrt{121} + \sqrt{25}) \div (\sqrt{784} - \sqrt{576})$$

$$? = 16 \div 4$$

$$? = 4$$

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