

Quiz Date: 26th June 2020

Directions (1-5): What will come at the place of x, in the following questions:

(Note- You are not expected to calculate the exact value)

Q1. 33.02% of 4200 + $4.01 \div 11.9 \times 9.11 = x\%$ of 301.22

- (a) 463
- (b) 474
- (c) 455
- (d) 468
- (e) 480

Q2. $124\sqrt{x} + 57.99 \times 2.01 = \frac{3}{4} \times 148.01 + 253.12$

- (a) 9
- (b) 1
- (c) 4
- (d) 16
- (e) 2

Q3. $340.23 \div 2.11 \times 5.01 - 1580\%$ of $\sqrt{x} = 120\%$ of \sqrt{x}

- (a) 1600
- (b) 900
- (c) 2700
- (d) 2500
- (e) 2000

Q4. $(3.91)^3 \times (13.98)^2 \div (28.11)^4 = x^2$

- (a) $\sqrt{7}$
- (b) $1/\sqrt{7}$
- (c) $1/7$
- (d) $7/2$
- (e) $\sqrt{7}/2$

Q5. $(20.11) + (8.03)^2 \div (3.99)^3 + 4.98x^2 = 19.98\%$ of 154.93

- (a) 2
- (b) $\sqrt{2}$
- (c) 4
- (d) $\sqrt{3}$
- (e) 1

Directions (6-15): What approximate value will come in place of question mark (?) in the given questions: (You are not expected to calculate the exact value.)

Q6. $619.992 - 134.99 \div 14.998 - (9.01)^2 = ?$

- (a) 720
- (b) 530
- (c) 650
- (d) 690
- (e) 490

Q7. $449.97 \div 15.02 + 208.08 \div 8.01 - 16.01 = ?$

- (a) 120
- (b) 60
- (c) 100
- (d) 80
- (e) 40



Q8. $4^2 \times \sqrt{226} = 247.998 \div 8.001 + 929.99$

- (a) 4
- (b) 5
- (c) 2
- (d) 3
- (e) 1

Q9. ? % of $(140.06 \times 7.99 - 679.92) = 330.01$

- (a) 75
- (b) 90
- (c) 80
- (d) 50
- (e) 60

Q10. $40\% \text{ of } 859 + 87.89 \div 7.99 = ?$

- (a) 398
- (b) 286
- (c) 412
- (d) 215
- (e) 355

Q11. $424.99 \times 23.95 \div 8.05 = ?$

- (a) 1300

- (b) 1225
- (c) 1325
- (d) 1275
- (e) 1375

Q12. $25.05 \times 123.95 + 388.999 \times 15.001 = ?$

- (a) 9000
- (b) 8950
- (c) 8935
- (d) 8975
- (e) 8995

Q13. $561 \div 35.05 \times 19.99 = ?$

- (a) 320
- (b) 330
- (c) 315
- (d) 325
- (e) 335

Q14. $\sqrt{625.04} \times 16.96 + 136.001 \div 17 = ?$

- (a) 418
- (b) 441
- (c) 425
- (d) 433
- (e) 546

Q15. 32.05% of 259.99 = ?

- (a) 92
- (b) 88
- (c) 78
- (d) 90
- (e) 83

Solutions

S1. Ans.(a)

Sol.

$$\begin{aligned} &\approx 33 \times 42 + \frac{4}{12} \times 9 = \frac{x}{100} \times 300 \\ &\approx 1386 + 3 = 3x \\ &x \approx 463 \end{aligned}$$

S2. Ans.(c)

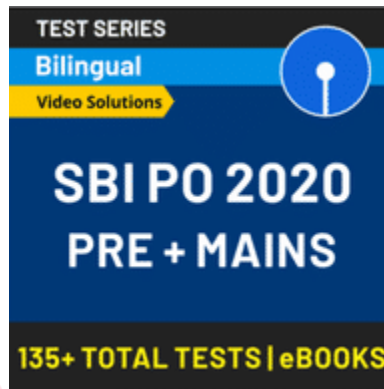
Sol.

$$\begin{aligned} &\approx 124\sqrt{x} + 58 \times 2 = \frac{3}{4} \times 148 + 253 \\ &\approx 124\sqrt{x} + 116 = 111 + 253 \\ &\quad = 364 \\ &\approx \sqrt{x} = \frac{248}{124} \\ &\approx x = 4 \end{aligned}$$

S3. Ans.(d)

Sol.

$$\begin{aligned} &\approx \frac{340}{2} \times 5 - 15.8\sqrt{x} = 1.2\sqrt{x} \\ &\approx 850 = 17\sqrt{x} \\ &\approx \sqrt{x} = 50 \\ &\approx x = 2500 \end{aligned}$$



S4. Ans.(c)

Sol.

$$\begin{aligned} &\approx \frac{4^3 \times 14^2}{28^4} = x^2 \\ &\approx x = \frac{1}{7} \end{aligned}$$

S5. Ans.(b)

Sol.

$$\begin{aligned} &\approx 20 + \frac{64}{4^3} + 5x^2 = \frac{20}{100} \times 155 \\ &\approx 21 + 5x^2 = 31 \\ &\approx x^2 = 2 \\ &\approx x = \sqrt{2} \end{aligned}$$

S6. Ans.(b)

Sol.

$$\begin{aligned} ? &= 619.992 - 134.99 \div 14.998 - (9.01)^2 \\ ? &\approx 620 - 135 \div 15 - (9)^2 \end{aligned}$$

$$? \approx 530$$

S7. Ans.(e)

Sol.

$$? = 449.97 \div 15.2 + 208.08 \div 8.01 - 16.01$$

$$? \approx 450 \div 15 + 208 \div 8 - 16$$

$$= 30 + 26 - 16$$

$$= 30 + 10 = 40$$

S8. Ans.(d)

Sol.

$$4^? \times \sqrt{226} = 247.998 \div 8.001 + 929.99$$

$$\text{or, } 4^? \times \sqrt{225} \approx 248 \div 8 + 930$$

$$\text{Or, } 4^? \times 15 \approx 31 + 930 = 961$$

$$\text{or, } 4^? \approx \frac{960}{15} = 64 = 4^3$$

$$\text{or, } 4^? \approx 4^3$$

$$\therefore ? \approx 3$$



S9. Ans.(a)

Sol.

$$?\% \text{ of } (140.06 \times 7.99 - 679.92)$$

$$= 330.01$$

$$\text{or, } \frac{? \times (140 \times 8 - 680)}{100} \approx 330$$

$$\text{or, } ? \times (1120 - 680) \approx 330 \times 100$$

$$\text{or, } ? \times 440 \approx 33000$$

$$\therefore ? = \frac{33000}{440} = 75$$

S10. Ans.(e)

Sol.

$$? = 40\% \text{ of } 859 + 87.89 \div 7.99$$

$$\approx \frac{40 \times 860}{100} + 88 \div 8$$

$$\approx 344 + 11 = 355$$

S11. Ans.(d)

Sol.

$$? \simeq 425 \times 24 \div 8$$

$$\simeq 1275$$

S12. Ans.(c)

Sol.

$$? \simeq 25 \times 124 + 389 \times 15$$

$$\simeq 8935$$

S13. Ans.(a)

Sol.

$$? \simeq \frac{560}{35} \times 20$$

$$\simeq 320$$

S14. Ans.(d)

Sol.

$$? \simeq 25 \times 17 + 136 \div 17$$

$$\simeq 433$$

S15. Ans.(e)

Sol.

$$? \simeq \frac{32}{100} \times 260$$

$$\simeq 83.2$$

$$\simeq 83$$



BANKERS



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