



SmartKeeda
The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan

2017-18 All Test Series

@ Just

₹ 399/-
300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW

Approximation Questions for Bank Clerk Pre Exams.

Approximation Quiz 8

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

1. $820.01 - 21 \times 32.99 + ? = 240$

- A. 105 B. 173 C. 113 D. 234 E. 143

2. $299 \div 12 \times 13.95 + ? = 24.02^2$

- A. 285 B. 226 C. 325 D. 150 E. 185

3. $\left(\frac{24}{9}\right)^2 \times \frac{399}{39} \div \frac{41}{899} = ?$

- A. 1600 B. 1650 C. 1700 D. 1550 E. 1750

4. 67.99% of 1401 – 13.99% of 1299 = ?

- A. 700 B. 720 C. 770 D. 800 E. 740

5. $5998 \div 9.98 + 670.99 - 139.99$

- A. 1080 B. 1280 C. 1180 D. 1130 E. 1230

6. $-(4.99)^3 + (29.98)^2 - (3.01)^4 = ?$

- A. 550 B. 590 C. 620 D. 650 E. 690

7. $95^{3.7} \div 95^{0.9989} = 95^?$

- A. 1.9 B. 3 C. 2.99 D. 3.6 E. 2.7

8. $\sqrt{10000} + \frac{3.001}{4.987} \text{ of } 1891.992 = ?$

- A. 2500 B. 1230 C. 1640 D. 1525` E. 2130

9. $0.0004 \div 0.0001 \times 36.000009 = ?$

- A. 0.10 B. 1.45 C. 145 D. 14.5 E. 1450

10. 137% of 12345 = ?

- A. 17000 B. 15000 C. 1500 D. 14300 E. 900

Correct Answers:

1	2	3	4	5	6	7	8	9	10
C	B	A	C	D	E	E	B	C	A

Explanations:

1. $820.01 - 21 \times 32.99 + ? = 240$

$$\approx 820 - 21 \times 33 + ? = 240$$

$$\approx 820 - 693 + ? = 240$$

$$\approx ? = 240 - 127 = 113$$

Hence, option C is correct.

2. $299 \div 12 \times 13.95 + ? = 24.022$

$$\approx 300 \div 12 \times 14 + ? = 242$$

$$\approx 25 \times 14 + ? = 576$$

$$\approx 350 + ? = 576$$

$$\approx ? = 576 - 350 = 226.$$

Hence, option B is correct.

3.

$$\left(\frac{24}{9}\right)^2 \times \frac{399}{39} \div \frac{41}{899} = ?$$

$$? \approx \left(\frac{24}{8}\right)^2 \times \frac{400}{40} \div \frac{40}{900}$$

$$? \approx \left(\frac{8}{3}\right)^2 \times \frac{400}{40} \times \frac{900}{40}$$

$$? \approx \frac{64}{9} \times \frac{400}{40} \times \frac{900}{40} \approx 1600$$

Hence, option A is correct.

4. $67.99\% \text{ of } 1401 - 13.99\% \text{ of } 1299 = ?$

$$\Rightarrow ? \approx 68\% \text{ of } 1400 - 14\% \text{ of } 1300$$

$$\Rightarrow ? \approx 68\% \text{ of } 1400 - 14\% \text{ of } 1300$$

$$\Rightarrow ? \approx (50\% \text{ of } 1400 + 10\% \text{ of } 1400 + 8\% \text{ of } 1400) - (10\% \text{ of } 1300 + 4\% \text{ of } 1300)$$

$$\Rightarrow ? \approx (700 + 140 + 112) - (130 + 52)$$

$$\Rightarrow ? \approx 952 - 182 \approx 770.$$

Hence, option C is correct.

5. $5998 \div 9.98 + 670.99 - 139.99$

$$\approx \frac{6000}{10} + 671 - 140$$

$$\approx 600 + 531 \approx 1131 \approx 1130.$$

Hence, option D is correct.

6. $-(4.99)^3 + (29.98)^2 - (3.01)^4 = ?$

$$\Rightarrow ? \approx -(5)^3 + (30)^2 - (3)^4$$

$$\Rightarrow ? \approx -125 + 900 - 81$$

$$\Rightarrow ? \approx 900 - 81 - 125$$

$$\Rightarrow ? \approx 694 \approx 690.$$

Hence, option E is correct.

7. $95^{3.7} \div 95^{0.9989} = 95^?$

$$\text{or, } 95^? = 95^{3.7 - 0.9989}$$

$$\text{or, } 95^? \approx 95^{2.7}$$

$$\text{or, } ? = 2.70$$

Hence, option E is correct.

8. $\sqrt{10000} + \frac{3.001}{4.987} \text{ of } 1891.992 = ?$

$$\text{or, } ? \approx 100 + \frac{3}{5} \text{ of } 1900 = 100 + 1140 \approx 1230$$

Hence, option B is correct.

9. $? = 0.0004 \div 0.0001 \times 36.000009$

$$= 4 \times 36.000009 \approx 145$$

Hence, option C is correct.

10. $? = 137 \% \text{ of } 12345$

$$= (100 + 37) \% \text{ of } 12345$$

$$\approx 12345 + 4570 \approx 17000$$

Hence, option A is correct.



SmartKeeda

The Question Bank

प्रस्तुत करते हैं

TestZone

भारत की सबसे किफायती टेस्ट सीरीज़



12 Month Plan

2017-18 All Test Series

@ Just

₹ 399/-

300+ फुल लेन्थ टेस्ट

- श्रेष्ठ विश्लेषण
- उत्कृष्ट विषय सामग्री
- बेजोड़ व्याख्या

अभी जुड़ें