

Course: IBPS RRB Prelims

Subject: Approximation

Time:10 Minutes

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Directions (1-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या अनुमानित मान आना चाहिए-

Q1. $\sqrt{289.19} \times (2.08) \div 10.97 = ?$

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

L1Difficulty 2

QTagsApproximation

QCreatorDeepak Rohilla

Q2. $1884 \div 144.89 + 6.99 + (?)^2 = 69.09$

- (a) 4
- (b) 9
- (c) 6
- (d) 7
- (e) 8

L1Difficulty 2

QTagsApproximation

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Q3. $\sqrt{12102} \times 34.98 + 150.04 = ?$

- (a) 3000
- (b) 4700
- (c) 4000
- (d) 3500
- (e) 5600

L1Difficulty 2

QTagsApproximation

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Q4. $1010 \div 36 + 187 \times 20.05 = ?$

- (a) 3650
- (b) 3770
- (c) 3825

(d) 3800

(e) 3700

L1Difficulty 2

QTagsApproximation

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Q5. $(3.2)^2 + (9.8)^2 + (8.13)^2 + (4.24)^2 = ?$

(a) 180

(b) 198

(c) 190

(d) 206

(e) 184

L1Difficulty 2

QTagsApproximation

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Q6. $8537.986 - 2416.005 - 221.998 = ?$

(a) 6500

(b) 5900

(c) 4300

(d) 3900

(e) 4500

L1Difficulty 2

QTagsApproximation

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Q7. $1019.999 \div 60.007 = ?$

(a) 11

(b) 23

(c) 17

(d) 27

(e) 21

L1Difficulty 2

QTagsApproximation

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Q8. $111111 \div 1111 \div 11 = ?$

(a) 1180

(b) 15

(c) 1100

(d) 9

(e) 11

L1Difficulty 2

QTagsApproximation

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Q9. $16.001 \times 30.999 \times 8.999 = ?$

- (a) 4464
- (b) 4864
- (c) 4160
- (d) 5900
- (e) 4644

L1Difficulty 2

QTagsApproximation

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Q10. 88.25% of 450 =? % of 530.

- (a) 70
- (b) 68
- (c) 75
- (d) 80
- (e) 90

L1Difficulty 2

QTagsApproximation

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Q11. $(13.96)^2 - (15.03)^2 + (18.09)^2 - 32.65 = ?$

- (a) 223
- (b) 262
- (c) 334
- (d) 354
- (e) 201

L1Difficulty 2

QTagsApproximation

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Q12. $7\frac{7}{12} \times 6\frac{7}{19} \div 9\frac{1}{3} = ?$

- (a) 9
- (b) 11
- (c) 2
- (d) 5
- (e) 13

L1Difficulty 2

QTagsApproximation

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Q13. $9228.789 - 5021.832 + 1496.989 = ?$

- (a) 6500

(b) 6004

(c) 6314

(d) 5704

(e) 5104

L1Difficulty 2

QTagsApproximation

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Q14. $1001 \div 49 \times 99 - 1299 = ?$

(a) 700

(b) 600

(c) 900

(d) 250

(e) 400

L1Difficulty 2

QTagsApproximation

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Q15. $7999.99 + 72 \times 49.99 = ?$

(a) 12000

(b) 12600

(c) 12500

(d) 11600

(e) 11000

L1Difficulty 2

QTagsApproximation

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Solutions

S1. Ans.(b)

Sol.

$$\begin{aligned} & \sqrt{289.19} \times 2.08 \div 10.97 \\ & \approx \frac{17 \times 2}{11} = \frac{34}{11} \approx 3 \end{aligned}$$

S2. Ans.(d)

Sol.

$$\begin{aligned} & 1884 \div 144.89 + 6.99 + (?)^2 = 69.09 \\ & \Rightarrow 13 + 7 + (?)^2 \simeq 69.09 \\ & \Rightarrow ?^2 \simeq 69 - 20 \simeq 49 \\ & \therefore ? = \sqrt{49} = 7 \end{aligned}$$

S3. Ans.(c)

Sol.

$$\begin{aligned}\sqrt{12102} \times 34.98 + 150.04 &=? \\ \approx 110 \times 35 + 150 \\ &= 4000\end{aligned}$$

S4. Ans.(b)

Sol.

$$\frac{1010}{36} + 187 \times 20 \approx 28 + 3740 \simeq 3768 \approx 3770$$

S5. Ans.(c)

Sol.

$$\begin{aligned}(3.2)^2 + (9.8)^2 + (8.13)^2 + (4.24)^2 \\ \approx 9 + 100 + 64 + 16 \\ \approx 190\end{aligned}$$

S6. Ans.(b)

Sol.

$$\begin{aligned}? \simeq 8538 - 2416 - 222 \\ \simeq 5900\end{aligned}$$

S7. Ans.(c)

Sol.

$$\begin{aligned}? \simeq \frac{1020}{60} \\ \simeq 17\end{aligned}$$

S8. Ans.(d)

Sol.

$$? = 9.09 \simeq 9$$

S9. Ans.(a)

Sol.

$$\begin{aligned}? \simeq 16 \times 31 \times 9 \\ \simeq 4464\end{aligned}$$

S10. Ans.(c)

Sol.

$$\begin{aligned}? \times \frac{530}{100} \simeq \frac{88}{100} \times 450 \\ ? \simeq 75\end{aligned}$$

S11. Ans.(b)

Sol.

$$\begin{aligned} ? &\simeq 196 - 225 + 324 - 33 \\ &\simeq 262 \end{aligned}$$

S12. Ans.(d)

Sol.

$$\begin{aligned} ? &= \frac{91}{12} \times \frac{121}{19} \times \frac{3}{28} \\ &\simeq \frac{90}{12} \times \frac{120}{20} \times \frac{3}{28} \\ &\simeq 5 \end{aligned}$$

S13. Ans.(d)

Sol.

$$? \simeq 5704$$

S14. Ans.(a)

Sol.

$$\begin{aligned} ? &\simeq \frac{1000}{50} \times 100 - 1300 \\ &\simeq 700 \end{aligned}$$

S15. Ans.(d)

Sol.

$$\begin{aligned} ? &\simeq 8000 + 72 \times 50 \\ &\simeq 11,600 \end{aligned}$$