

Course: IBPS RRB Prelims

Subject: Approximation

Time:10 Minutes

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Directions (1-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) को प्रतिस्थापित करने वाले अनुमानित मान को ज्ञात कीजिए, (सटीक मान की गणना करना अपेक्षित नहीं है) :

Q1. $447.75 \div 28 \times 4.99 = ?$

- (a) 60
- (b) 70
- (c) 72
- (d) 80
- (e) 75

L1Difficulty 2

QTagsApproximation

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Q2. $1679 \div 14.95 \times 5.02 = ?$

- (a) 540
- (b) 525
- (c) 545
- (d) 560
- (e) 520

L1Difficulty 2

QTagsApproximation

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Q3. $5237.897 - 6629.010 + 7153.999 - 2205.102 = ?$

- (a) 6340
- (b) 4688
- (c) 5240
- (d) 3558
- (e) 6290

L1Difficulty 2

QTagsApproximation

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Q4. 849.947 का 459% + 6284.012 का 266.5% - $1486.002 = ?$

- (a) 20330
- (b) 12640
- (c) 15000
- (d) 22160

(e) 19140

L1Difficulty 2

QTagsApproximation

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Q5. $(9321 + 5406 + 1001) \div (498 + 929 + 660) = ?$

(a) 13.5

(b) 4.5

(c) 16.5

(d) 7.5

(e) 10.5

L1Difficulty 2

QTagsApproximation

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Q6. $12.95 \times 7.05 + (85.01)^2 \times 10.99 = ?$

(a) 69566

(b) 79566

(c) 81000

(d) 80566

(e) 76566

L1Difficulty 2

QTagsApproximation

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Q7. $432.62 - 269.21 \div (74.95 \text{ का } 11.9\%) = ?$

(a) 370

(b) 380

(c) 403

(d) 410

(e) 420

L1Difficulty 2

QTagsApproximation

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Q8. $899.99 \div 45.072 = ? - 224.488$

(a) 224

(b) 230

(c) 250

(d) 244

(e) 260

L1Difficulty 2

QTagsApproximation

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Q9. $(17.95)^2 - (14.05)^2 + (2343.75 + 81.55) \div ? = 229$

- (a) 24
- (b) 28
- (c) 30
- (d) 20
- (e) 34

L1Difficulty 2

QTagsApproximation

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Q10. 649.8 का 39.97% $\div 13.05 = 45.12 - ?$

- (a) 40
- (b) 15
- (c) 25
- (d) 10
- (e) 30

L1Difficulty 2

QTagsApproximation

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Q11. $12.002 \times 15.005 - 8.895 \times 6.965 = ?$

- (a) 130
- (b) 117
- (c) 105
- (d) 110
- (e) 95

L1Difficulty 2

QTagsApproximation

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Q12. 8401.01 का 105.1% $- 5600.12$ का $3/7\%$ $+ 9.999 = ?$

- (a) 8880
- (b) 8080
- (c) 8850
- (d) 8760
- (e) 8806

L1Difficulty 2

QTagsApproximation

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Q13. $30.01^2 - 19.98^2 - ? = 21.97^2$

- (a) 49
- (b) 50
- (c) 30
- (d) 39

(e) 16

L1Difficulty 2

QTagsApproximation

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Q14. $(4.989)^2 + (21.012)^3 + \sqrt{1090} = ?$

(a) 9219

(b) 9391

(c) 9319

(d) 9129

(e) 9643

L1Difficulty 2

QTagsApproximation

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Q15. $\sqrt[3]{65} \times 23.93 - 31.04 = ?$

(a) 98

(b) 65

(c) 102

(d) 35

(e) 79

L1Difficulty 2

QTagsApproximation

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Solutions

S1. Ans.(d)

$$448 \div 28 \times 5$$

Sol. $= 16 \times 5 = 80$

S2. Ans.(d)

$$1680 \div 15 \times 5$$

$$= 112 \times 5 = 560$$

Sol.

S3. Ans.(d)

$$5238 - 6630 + 7154 - 2205$$

$$= 12392 - 8835 = 3557 \approx 3558$$

Sol.

S4. Ans.(e)

$$\frac{460 \times 850}{100} + 2.665 \times 6284 - 1486$$

$$= 3910 - 1486 + 2.66 \times 6284$$

$$\approx 19140$$

Sol.

S5. Ans.(d)

$$(9321 + 5406 + 1001) \div (498 + 929 + 660)$$

$$= 15728 \div 2087 \approx 7.5$$

Sol.

S6. Ans.(b)

$$? \approx 13 \times 7 + 85^2 \times 11$$

$$\approx 79566$$

Sol.

S7. Ans.(c)

$$? 433 - 269 \div \left(\frac{12}{100} \times 75 \right)$$

$$\approx 433 - \frac{269}{9}$$

$$\approx 433 - 30$$

$$\approx 403$$

Sol.

S8. Ans.(d)

$$? \approx \frac{900}{45} + 224$$

$$\approx 244$$

Sol.

S9. Ans.(a)

$$\frac{2425}{?} \approx 229 + 14^2 - 18^2$$

$$\approx 101$$

$$\Rightarrow ? \approx 24$$

Sol.

S10. Ans.(c)

$$? \approx 45 - \frac{40}{100} \times \frac{650}{13}$$

$$? \approx 25$$

Sol.

S11. Ans.(b)

$$? \approx 12 \times 15 - 9 \times 7$$

$$\text{Sol. } \approx 180 - 63 = 117$$

S12. Ans.(e)

$$\begin{aligned} ? &\approx \frac{8400 \times 105}{100} - 5600 \times \frac{3}{700} + 10 \\ &\approx 8820 - 24 + 10 = 8806 \end{aligned}$$

Sol.

S13. Ans.(e)

$$\begin{aligned} &\approx 30^2 - 20^2 - ? = 22^2 \\ &\Rightarrow 900 - 400 - ? = 484 \\ &\Rightarrow 500 - ? = 484 \\ &\Rightarrow ? = 500 - 484 = 16 \end{aligned}$$

Sol.

S14. Ans.(c)

$$? \approx (5)^2 + (21)^3 + \sqrt{1089}$$

$$\text{Sol. } \approx 25 + 9261 + 33 \approx 9319$$

S15. Ans.(b)

$$? = \sqrt[3]{65} \times 23.93 - 31.04$$

$$\approx \sqrt[3]{64} \times 24 - 31$$

$$\text{Sol. } \approx 4 \times 24 - 31 \approx 96 - 31 \approx 65$$