

Course:IBPS RRB Prelims

Subject: Approximation

Time:10 Minutes

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Directions (1-15): दिए गए प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर आने वाले अनुमानित मान की गणना करें-

Q1. 15.89 का 149.78% + $\sqrt{255.81} \times 3.95 = ? - 139.59$

- (a) 248
- (b) 212
- (c) 218
- (d) 228
- (e) 232

L1Difficulty 3

QTagsApproximation

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Q2. ? + 1349.71 ÷ 2.99 - 124.82 = 1649.82 का 120.03%

- (a) 1655
- (b) 1755
- (c) 1720
- (d) 1225
- (e) 1680

L1Difficulty 3

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Q3. (?)² + 180.21 × 4.9 + 64.8 × 3.8 = 2384.78

- (a) 40
- (b) 30
- (c) 35
- (d) 25
- (e) 45

L1Difficulty 3

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Q4. 299.71 का ?% = (21.03)² + (18.89)² + (6.03)³ + 2.01

- (a) 225
- (b) 280
- (c) 250

(d) 325

(e) 340

L1Difficulty 3

QTagsApproximation

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Q5. $\sqrt{?} + 119.79$ का 789.81% + $199.81 = 2180.01 - (31.81)^2$

(a) 100

(b) 121

(c) 64

(d) 144

(e) 81

L1Difficulty 3

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Q6. $?^3 \times 17.98 + 450.03$ का 12.03% = $(14.02)^2 + \sqrt[4]{15.99}$

(a) 9

(b) 2

(c) 5

(d) 8

(e) 11

L1Difficulty 3

QTagsApproximation

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Q7. $\frac{?}{14.08} + (22.03)^2 = (23.98)^2 + \sqrt[3]{63.98}$

(a) 1344

(b) 1300

(c) 1296

(d) 1248

(e) 1440

L1Difficulty 3

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Q8. 1355.02 का $?%$ + 1210.01 का 19.98% = $(27.99)^2$

(a) 75

(b) 80

(c) 60

(d) 40

(e) 24

L1Difficulty 3

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Q9. ? + 1279.98 का 35.09 % = $(24.03)^2 + \sqrt{195.98}$

- (a) 142
- (b) 148
- (c) 156
- (d) 164
- (e) 176

L1Difficulty 3

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Q10. ? का 56.03 % + 96.03 का 125.02% = $(13.98)^2 - \sqrt[4]{1295.98}$

- (a) 120
- (b) 115
- (c) 105
- (d) 125
- (e) 135

L1Difficulty 3

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Q11. $21 + 4.9 \times 7.9 + 9.88 = ?$

- (a) 65
- (b) 71
- (c) 66
- (d) 75
- (e) 81

L1Difficulty 3

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Q12. 3781 का 138% + 141 का 38.74% = ?

- (a) 5288
- (b) 5248
- (c) 5271
- (d) 5444
- (e) 6444

L1Difficulty 3

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Q13. $(340 \times 9.98) \div 6.4001 + 1245.15 = ?$

- (a) 1766
- (b) 1776

(c) 1676

(d) 1876

(e) 1806

L1Difficulty 3

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Q14. $31.95^2 - 12.05^2 + (1987.25 + 21.85) \div ? = 900$

(a) 115

(b) 120

(c) 90

(d) 85

(e) 100

L1Difficulty 3

QTagsApproximation

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Q15. $1576 \div 45.02 + 23.99 \times \sqrt{255} = ?$

(a) 340

(b) 420

(c) 380

(d) 460

(e) 360

L1Difficulty 3

QTagsApproximation

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Solutions

S1. Ans.(d)

Sol.

$$\frac{150}{100} \times 16 + 16 \times 4 \approx ? - 140$$

$$24 + 64 + 140 = ?$$

$$? = 228$$

S2. Ans.(a)

Sol.

$$? + \frac{1350}{3} - 125 \approx \frac{120}{100} \times 1650$$

$$? + 450 - 125 = 1980$$

$$? = 1655$$

S3. Ans.(c)

Sol.

$$(?)^2 + 900 + 260 \approx 2385$$

$$(?)^2 = 1225$$

$$? = 35$$

S4. Ans.(e)

Sol.

$$\frac{?}{100} \times 300 \approx (21)^2 + (19)^2 + (6)^3 + 2.01$$

$$? \times 3 = 441 + 361 + 216 + 2$$

$$? = \frac{1020}{3} = 340$$

S5. Ans.(c)

Sol.

$$\sqrt{?} + \frac{790}{100} \times 120 + 200 \approx 2180 - 1024$$

$$\sqrt{?} + 948 + 200 \approx 1156$$

$$\sqrt{?} = 8$$

$$? = 64$$

S6. Ans(b)

Sol.

$$?^3 \times 18 + \frac{12}{100} \times 450 = (14)^2 + \sqrt[4]{16}$$

$$?^3 \times 18 + 54 = 196 + 2$$

$$?^3 \times 18 = 198 - 54$$

$$?^3 \times 18 = 144$$

$$?^3 = 8$$

$$? = 2$$

S7. Ans(a)

Sol.

$$\frac{?}{14} + (22)^2 = (24)^2 + \sqrt[3]{64}$$

$$\frac{?}{14} + 484 = 576 + 4$$

$$\frac{?}{14} = 580 - 484$$

$$? = 96 \times 14$$

$$? = 1344$$

S8. Ans(d)

Sol.

$$\frac{?}{100} \times 1355 + \frac{20}{100} \times 1210 = (28)^2$$

$$\frac{?}{100} \times 1355 + 242 = 784$$

$$\frac{?}{100} \times 1355 = 784 - 242$$

$$\frac{?}{100} \times 1355 = 542$$

$$? = \frac{542 \times 100}{1355}$$

$$? = 40$$

S9. Ans(a)

Sol.

$$? + \frac{35}{100} \times 1280 = (24)^2 + \sqrt{196}$$

$$? + 448 = 576 + 14$$

$$? = 590 - 448$$

$$? = 142$$

S10. Ans(d)

Sol.

$$\frac{56}{100} \times ? + \frac{125}{100} \times 96 = (14)^2 - \sqrt[4]{1296}$$

$$\frac{56}{100} \times ? + 120 = 196 - 6$$

$$\frac{56}{100} \times ? = 190 - 120$$

$$\frac{56}{100} \times ? = 70$$

$$? = \frac{70 \times 100}{56}$$

$$? = 125$$

S11. Ans.(b)

$$? \simeq 21 + 5 \times 8 + 10$$

Sol. $\simeq 71$

S12. Ans.(c)

$$? \simeq 1.38 \times 3780 + \frac{39}{100} \times 140$$

Sol. $\simeq 5,271$

S13. Ans.(b)

$$? \simeq \frac{340 \times 10}{6.4} + 1245$$

$$\simeq 1776.25$$

$$\simeq 1776$$

Sol.

S14. Ans.(e)

$$32^2 - 12^2 + \frac{2009}{?} \simeq 900$$

$$\Rightarrow ? \simeq \frac{2009}{20}$$

$$\Rightarrow ? \simeq 100$$

Sol.

S15. Ans.(b)

$$? \simeq \frac{1575}{45} + 24 \times 16$$

$$\simeq 419$$

Sol. $\simeq 420$