

Course: RBI Assistant Mains

Subject: Missing Series and Approximation

Time: 15 Minutes

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Directions (1-5): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा-

Q1. 499, 622, 868, 1237, 1729, 2344, ?

(a) 3205

(b) 3082

(c) 2959

(d) 3462

(e) 2876

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q2. 20, 24, 33, 49, 74, 110, ?

(a) 133

(b) 147

(c) 159

(d) 163

(e) 171

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q3. 224, 288, 416, ?, 1184, 2208

(a) 672

(b) 627

(c) 544

(d) 800

(e) 928

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q4. 16, 12, 18, 40.5, 121.5, 455.625, ?

(a) 2050.1125

(b) 2050.2125

(c) 2050.3125

(d) 2050.4125

(e) 2050.3215

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q5. 3, 4, 10, 33, 136, 685, ?

(a) 3430

(b) 4802

(c) 5145

(d) 4116

(e) 4802

L1Difficulty 3

QTagsMISSING SERIES Quant

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Directions (6-10): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या अनुमानित मान आना चाहिए-

$$44.04 \div 3.97 \times 7.49 \div 2.54 + 3 = \sqrt{?}$$

Q6.

(a) 6

(b) 36

(c) 24

(d) 1296

(e) 216

L1Difficulty 3

QTagsApproximation

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Q7. $\sqrt{37.54\% \text{ of } 400.08 + 75.07\% \text{ of } 59.92} = ?$

(a) 7

(b) 14

(c) 49

(d) 98

(e) 196

L1Difficulty 3

QTagsApproximation

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Q8. $(\sqrt{?})^{\frac{2}{3}} + (2.01)^{10} + (4.99)^3 = 1156.92$

- (a) 256
- (b) 128
- (c) 512
- (d) 1024
- (e) 1296

L1Difficulty 3

QTagsApproximation

QCreatorDeepak Rohilla

Q9. $(4913.09)^{\frac{1}{3}} + 6.06 \times 5.98 - 33 \frac{1}{3}\% \text{ of } 9.01 = 24.99\% \text{ of } 25.01\% \text{ of ?}$

- (a) 1040
- (b) 1600
- (c) 400
- (d) 800
- (e) 1200

L1Difficulty 3

QTagsApproximation

QCreatorDeepak Rohilla

Q10. $(9.01)^3 + (7.94)^3 + 5.12 \times 17.95 = x^3$

- (a) 11
- (b) 15
- (c) 13
- (d) 10
- (e) 14

L1Difficulty 3

QTagsApproximation

QCreatorDeepak Rohilla

Directions (11-15): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आना चाहिए-

Q11. 948, 474, ?, 118.5, 59.25, 29.625

- (a) 221
- (b) 190
- (c) 237
- (d) 189.06
- (e) इनमें से कोई नहीं

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q12. 374, 355, 317, ?, 184, 89

(a) 260

(b) 298

(c) 279

(d) 241

(e) इनमें से कोई नहीं

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q13. 96, 94, 373, 3353, ?, 1341069

(a) 83819

(b) 53483

(c) 63813

(d) 53643

(e) इनमें से कोई नहीं

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q14. 1, 16, 81, 256, ?, 1296

(a) 400

(b) 625

(c) 875

(d) 1125

(e) इनमें से कोई नहीं

L1Difficulty 3

QTagsMISSING SERIES Quant

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Q15. 281, 141, 71, 36, 18.5, ?

(a) 9.5

(b) 9.25

(c) 10.75

(d) 10

(e) इनमें से कोई नहीं

L1Difficulty 3

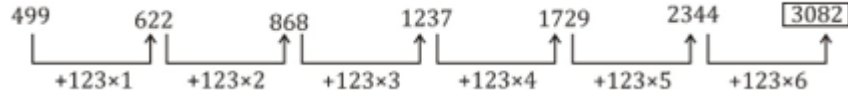
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Solutions

S1. Ans.(b)

Series is



Sol.

S2. Ans.(c)

Pattern is $+2^2, +3^2, +4^2, +5^2, +6^2, +7^2$

$$\therefore ? = 110 + 49$$

Sol. = 159

S3. Ans.(a)

Pattern is $+64 \times 1, +64 \times 2, +64 \times 4, +64 \times 8, +64 \times 16$

$$\therefore ? = 416 + 64 \times 4$$

Sol. = 672

S4. Ans.(c)

Pattern is $\times 0.75, \times 0.75 \times 2, \times 0.75 \times 3, \times 0.75 \times 4, \dots$

$$\therefore ? = 455.625 \times 0.75 \times 6$$

Sol. = 2050.3125

S5. Ans.(d)

Pattern is $\times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \times 5 + 5, \times 6 + 6$

$$\therefore ? = 685 \times 6 + 6$$

Sol. = 4116

S6. Ans.(d)

Sol.

$$\frac{44}{4} \times \frac{7.5}{2.5} + 3 = \sqrt{?}$$
$$\sqrt{?} = 11 \times 3 + 3$$

$$36 = \sqrt{?}$$

$$? = 1296$$

S7. Ans.(b)

Sol.

$$\sqrt{37.5\% \times 400 + 75\% \times 60} = ?$$

$$? = \sqrt{150 + 45}$$

$$? = \sqrt{195}$$

$$? = 14$$

S8. Ans.(c)

Sol.

$$(\frac{2}{3})^{\frac{1}{2}} + (2)^{10} + (5)^3 = 1157$$

$$(\frac{1}{3})^{\frac{1}{2}} + 1024 + 125 = 1157$$

$$(\frac{1}{3})^{\frac{1}{2}} = 1157 - 1149 = 8$$

$$? = 512$$

S9. Ans.(d)

Sol.

$$17 + 6 \times 6 - \frac{1}{3} \times 9 = \frac{1}{4} \times \frac{1}{4} \times ?$$

$$? = 50 \times 4 \times 4 = 800$$

S10. Ans.(a)

Sol.

$$729 + 512 + 5 \times 18 = ?^3$$

$$1241 + 90 = ?^3$$

$$1331 = ?^3$$

$$? = 11$$

S11. Ans. (c)

Sol.

Pattern is $(\div 2), (\div 2), (\div 2)$

$$\therefore 474 \div 2 = 237$$

S12. Ans. (a)

Sol.

Pattern is $(-19 \times 1), (-19 \times 2), (-19 \times 3)$

$$\therefore 317 - 19 \times 3 = 260$$

S13. Ans. (d)

Sol.

Pattern is $(\times 1 - 2), (\times 4 - 3), (\times 9 - 4), (\times 16 - 5), (\times 25 - 6)$

$$\therefore 3353 \times 16 - 5 = 53643$$

S14. Ans. (b)

Pattern is $1^4, 2^4, 3^4, 4^4, 5^4$

$$5^4 = 625$$

Sol.

S15. Ans. (e)

Sol.

Pattern is $(\div 2 + 0.5), (\div 2 + 0.5)$

$$\therefore 18.5 \div 2 + 0.5 = 9.75$$