Course: SBI PO Pre

Subject: Wrong Series and Simplification

Time:10 Minutes
Published Date: 30th June 2020

Directions (1-5): निम्नलिखित प्रश्नों में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या मान आएगा-

Q1. $(41)^2 - 1139 \div 67 = ? \times 4^3$
(a) 28
(b) 26
(c) 24
(d) 27
(e) 21
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Q2. $3\frac{3}{4} - 2\frac{5}{12} = ? + 4\frac{5}{11} - 3\frac{5}{22}$
(a) 9/62
(b) 13/66
(c) 7/66
(d) 11/64
(e) 35/66
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Q3. $0.006 \div 20 \times 0.0042 \div (0.14 \times 0.005) = ?$
(a) 1.8
(b) 1.18
(c) 0.18
(d) 0.018
(e) 0.0018
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Q4. $5\frac{5}{13}$ of $[5891 - 3876] + 385.85 = ? + 5245.45$
(a) 5499.9

(b) 5904.9
(c) 5900.4
(d) 5990.4
(e) 5890.4
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Q5. $(3.4357 + 1.5643)^2 - ? = 6 \times 3.16 \times 0.05$
(a) 25.045
(b) 22.450
(c) 2.4052
(d) 20.452
(e) 24.052
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Direction (6-10): दी गई श्रृंखला में गलत पद ज्ञात कीजिए-

Q6. 2, 4, 10, 25, 42, 72, 114
(a) 2
(b) 4
(c) 10
(d) 25
(e) 72
L1Difficulty 2
QTagsWrong Series
QCreatorDeepak Rohilla

Q7. 2, 3,5, 9, 18, 33, 65, 129
(a) 2
(b) 5
(c) 18
(d) 33
(e) 65
L1Difficulty 2
QTagsWrong Series
QCreatorDeepak Rohilla

Q8. 3, 5, 8, 13, 20, 29, 44
(a) 3
(b) 5
(c) 8

(d) 20
(e) 29
L1Difficulty 2
QTagsWrong Series
QCreatorDeepak Rohilla

Q9. 26, 63, 126, 215, 344, 511, 730
(a) 26
(b) 63
(c) 215
(d) 344
(e) 730
L1Difficulty 2
QTagsWrong Series
QCreatorDeepak Rohilla

Q10. 1, 2, 4, 21, 88, 445, 2676
(a) 1
(b) 2
(c) 4
(d) 21
(e) 445
L1Difficulty 2
QTagsWrong Series
QCreatorDeepak Rohilla

Directions (11-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा-

Q11. $(0.125)^3 \div (0.25)^2 \times (0.5)^2 = (0.5)^{?-3}$
(a) 12
(b) 18
(c) 14
(d) 10
(e) 8
L1Difficulty 2
QTagsSimplification
QCreatorDeepak Rohilla

Q12. 36% of 420 – 56% of 350 = ? – 94
(a) 48.2
(b) 49.2
(c) –138.8
(d) –158.8
(e) 38.2
L1Difficulty 2

Q13. 36 × 15 – 56 × 784 ÷ 112 = ?
(a) 138
(b) 238
(c) 158
(d) 258
(e) 148

Q14. (8792 – 4136) ÷ ? = 145.5
(a) 38
(b) 32
(c) 42
(d) 36
(e) 48

Q15. 7365 + (5.4) ^{2} + √(?) = 7437.16
(a) 1894
(b) 1681
(c) 1764
(d) 2025
(e) 1849

Solutions

S1. Ans.(b)

Sol. $? = \dfrac{1664}{64} = 26$

S2. Ans.(c)

$$? = (3 - 2 - 4 + 3) + \left(\frac{3}{4} - \frac{5}{12} - \frac{5}{11} + \frac{5}{22}\right)$$

$$= \frac{198 - 110 - 120 + 60}{264}$$

$$= \frac{28}{264}$$

$$= \frac{7}{66}$$

Sol.

S3. Ans.(e)
Sol.

$$\frac{0.006}{20} \times \frac{0.0042}{0.14 \times 0.005} = ?$$

? = 0.0018

S4. Ans.(d)
Sol.
70 × 155 + 385.85 = ? + 5245.45
⇒ ? = 5990.4

S5. Ans.(e)
Sol.
25 – ? = 0.948
⇒ ? = 24.052

S6. Ans. (d)
Sol.

$$2 + (1 \times 2) = 4$$
$$4 + (2 \times 3) = 10$$
$$10 + (3 \times 4) = 22$$
$$22 + (4 \times 5) = 42$$
$$42 + (5 \times 6) = 72$$
$$72 + (6 \times 7) = 114$$

So, wrong number = 25.

S7. Ans. (c)
Sol.

$$2 \times 2 - 1 = 3$$
$$3 \times 2 - 1 = 5$$
$$5 \times 2 - 1 = 9$$
$$9 \times 2 - 1 = 17$$
$$17 \times 2 - 1 = 33$$
$$33 \times 2 - 1 = 65$$
$$65 \times 2 - 1 = 129$$

So, Wrong number = 18

S8. Ans. (e)
Sol.
$$3 + 2 = 5$$
$$5 + 3 = 8$$
$$8 + 5 = 13$$
$$13 + 7 = 20$$
$$20 + 11 = 31$$
$$31 + 13 = 44$$
So, wrong number =29

S9. Ans. (a)
Sol.
$$3^3 + 1 = 28$$
$$4^3 - 1 = 63$$
$$5^3 + 1 = 126$$
$$6^3 - 1 = 215$$
$$7^3 + 1 = 344$$
$$8^3 - 1 = 511$$
$$9^3 + 1 = 730$$
So, Wrong number =26

S10. Ans. (c)
Sol.
$$1 \times 1 + 1 = 2$$
$$2 \times 2 + 2 = 6$$
$$6 \times 3 + 3 = 21$$
$$21 \times 4 + 4 = 88$$
$$88 \times 5 + 5 = 445$$
$$445 \times 6 + 6 = 2676$$
So, Wrong number =4

S11. Ans. (d)
Sol. $(0.5)^9 \div (0.5)^4 \times (0.5)^2 = (0.5)^{?-3}$
or, $9 - 4 + 2 = ? -3$
or, $? = 10$

S12. Ans. (b)
Sol. $? = 151.2 - 196 + 94$
or, $? = 49.2$

S13. Ans. (e)
Sol. $? = 540 - 56 \times 7$
or, $? = 148$

S14. Ans. (b)

Sol. $? = \frac{4656}{145.5} = 32$

S15. Ans. (e)

Sol. $\sqrt{?} = 7437.16 - 7365 - 29.16 = 43$

or, $? = 1849$