Course: IBPS RRB Prelims

Subject: Missing series and Approximation

Time:10 Minutes
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Directions (1-5): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा-

Q1. 21, 23, 37, 71, 133, ?
(a) 321
(b) 231
(c) 319
(d) 237
(e) 235
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q2. 46, 267, 462, 631, 774, ?
(a) 381
(b) 895
(c) 978
(d) 891
(e) 869
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q3. 16, 137, 866, 915, 1040, ?
(a) 1049
(b) 1094
(c) 949
(d) 849
(e) 1069
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q4. 2890, ?, 1162, 874, 730, 658
(a) 1684
(b) 1738
(c) 1784
(d) 1672
(e) 1584

L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q5. 1548, 516, 129, 43, ?
(a) 11
(b) 10.75
(c) 9.5
(d) 12
(e) None of these
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Directions (6-10): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (**?)** के स्थान पर क्या मान आएगा-

Q6. 8, 14, 32, 58, 124, (?)
(a) 248
(b) 247
(c) 237
(d) 238
(e) 224
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q7. 25, 41, 89, 169, 281, (?)
(a) 425
(b) 415
(c) 409
(d) 419
(e) 435
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q8. 461, 474, 465, 478, 469, (?)
(a) 460
(b) 482
(c) 456
(d) 478
(e) 496
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q9. 980, 516, 284, 168, 110, (?)
(a)73
(b) 71
(c) 83
(d) 91
(e) 81
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Q10. 4, 5, 8, 27, 104, (?)
(a) 530
(b) 514
(c) 520
(d) 509
(e) 525
L1Difficulty 2
QTags MISSING SERIES Quant
QCreator Deepak Rohilla

Directions (11-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) को प्रतिस्थापित करने वाले अनुमानित मान को ज्ञात कीजिए-
नोट: (सटीक मान की गणना करना अपेक्षित नहीं है)

Q11. 4433.964 – 2211.993 – 1133.067 + 3377.042 = ?
(a) 4466
(b) 4377
(c) 3633
(d) 4144
(e) 3344
L1Difficulty 2
QTags Approximation
QCreator Deepak Rohilla

Q12. 29.98% of 260 + 60.01% of 510 – 103.97 = ?
(a) 450
(b) 320
(c) 210
(d) 280
(e) 350
L1Difficulty 2
QTags Approximation
QCreator Deepak Rohilla

Q13. 1299.93 ÷ 19.99 × 25.01 + 400.01 = ?
(a) 2025
(b) 2300
(c) 1925
(d) 2200
(e) 1700
L1Difficulty 2
QTags Approximation
QCreator Deepak Rohilla

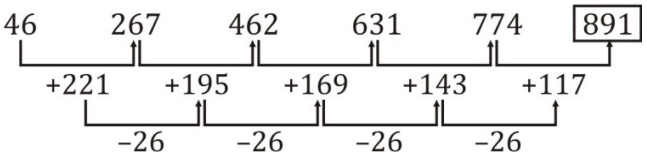
Q14. 8599.999 ÷ 430.002 × 14.996 = ?
(a) 250
(b) 325
(c) 275
(d) 300
(e) 350
L1Difficulty 2
QTags Approximation
QCreator Deepak Rohilla

Q15. 39.99% of 404.98 + 65.1% of 620.02 – 183.97 = ?
(a) 431
(b) 411
(c) 330
(d) 281
(e) 381
L1Difficulty 2
QTags Approximation
QCreator Deepak Rohilla

Solutions

S1. Ans.(b)
Sol. Series is $+2^2-2,\ +4^2-2,\ +6^2-2,\ldots\ldots$
$\therefore ? = 133 + 10^2 - 2 = 231$

S2. Ans.(d)
Sol. Series is



S3. Ans.(a)
Sol. Series is $+11^2, +9^3, +7^2, +5^3, +3^2$

$\therefore ? = 1040 + 3^2 = 1049$

S4. Ans.(b)
Sol. Series is $-1152, -576, -288, -144, -72$
$\therefore ? = 2890 - 1152 = 1738$

S5. Ans.(b)
Sol. Pattern is $\div 3, \div 4, \div 3$…….
$\therefore \frac{43}{4} = 10.75$

S6. Ans.(d)
Sol. The pattern is : $\times 2 - 2, \times 2 + 4, \times 2 - 6, \times 2 + 8$ … … ….
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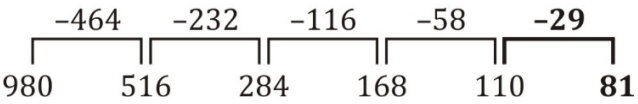
S7. Ans.(a)
Sol. The pattern is :
25 + 1 × 16 = 41
41 + 3 × 16 = 41 + 48 = 89
89 + 5 × 16 = 89 + 80 = 169
169 + 7 × 16 = 169 + 112 = 281
281+9 × 16 = 281 + 144 = **425**

S8. Ans.(b)
Sol. The pattern is :
461 + 13 = 474
474 - 9 = 465
465 + 13 = 478
478 - 9 = 469
469+13 = **482**

S9. Ans.(e)
Sol. The pattern is:



S10. Ans.(e)
Sol. The pattern is: $\times 1 + 1, \times 2 - 2, \times 3 + 3, \times 4 - 4$ … … ….

S11. Ans.(a)
Sol. ? = 4434 – 2212 – 1133 + 3377
= 4466

S12. Ans.(d)
Sol. $? = 260 \times \frac{30}{100} + 510 \times \frac{60}{100} - 104$

$= 78 + 306 - 104$
$= 280$

S13. Ans.(a)
Sol. $\frac{1300}{20} \times 25 + 400 = ?$
$= 1625 + 400$
$= 2025$

S14. Ans.(d)
Sol. $\frac{8600}{430} \times 15$
$= 20 \times 15 = 300$
S15. Ans.(e)
Sol. $? = 405 \times \frac{40}{100} + 620 \times \frac{65}{100} - 184$
$= 162 + 403 - 184$
$= 381$