Quiz Date: 17th September 2020

Directions (1-5): What will come in place of question mark (?) in the following number series?

Q1. 21, 23, 37, 71, 133, ?
(a) 321
(b) 231
(c) 319
(d) 237
(e) 235

Q2. 46, 267, 462, 631, 774, ?
(a) 381
(b) 895
(c) 978
(d) 891
(e) 869

Q3. 16, 137, 866, 915, 1040, ?
(a) 1049
(b) 1094
(c) 949
(d) 849
(e) 1069

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

Q5. 1548, 516, 129, 43, ?
(a) 11
(b) 10.75
(c) 9.5
(d) 12
(e) None of these

Directions (6-10): **What will come in place of the question mark (?) in the following number series?**

Q6. 8, 14, 32, 58, 124, (?)
(a) 248
(b) 247
(c) 237
(d) 238

(e) 224

Q7. 25, 41, 89, 169, 281, (?)
(a) 425
(b) 415
(c) 409
(d) 419
(e) 435

Q8. 461, 474, 465, 478, 469, (?)
(a) 460
(b) 482
(c) 456
(d) 478
(e) 496

Q9. 980, 516, 284, 168, 110, (?)
(a)73
(b) 71
(c) 83
(d) 91
(e) 81

Q10. 4, 5, 8, 27, 104, (?)
(a) 530
(b) 514
(c) 520
(d) 509
(e) 525

Directions (11-15): Find out the approximate value which should replace the question mark (?) in the following questions.
Note: (You are not expected to find out the exact value)
Q11. 4433.964 – 2211.993 – 1133.067 + 3377.042 = ?
(a) 4466
(b) 4377

(c) 3633
(d) 4144
(e) 3344

Q12. 29.98% of 260 + 60.01% of 510 – 103.97 = ?
(a) 450
(b) 320
(c) 210
(d) 280
(e) 350

Q13. 1299.93 ÷ 19.99 × 25.01 + 400.01 = ?
(a) 2025
(b) 2300
(c) 1925
(d) 2200
(e) 1700

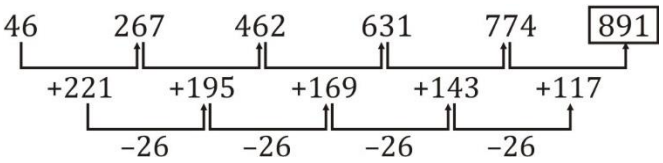
Q14. 8599.999 ÷ 430.002 × 14.996 = ?
(a) 250
(b) 325
(c) 275
(d) 300
(e) 350

Q15. 39.99% of 404.98 + 65.1% of 620.02 – 183.97 = ?
(a) 431
(b) 411
(c) 330
(d) 281
(e) 381

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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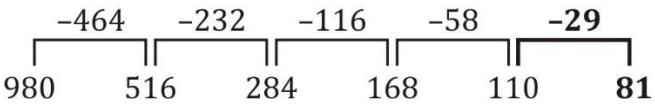
S7. Ans.(a)
Sol. The pattern is :
25 + 1 × 16 = 41
41 + 3 × 16 = 41 + 48 = 89
89 + 5 × 16 = 89 + 80 = 169
169 + 7 × 16 = 169 + 112 = 281
281+9 × 16 = 281 + 144 = **425**

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: × 1 + 1,× 2 − 2,× 3 + 3,× 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 × 15 = 300

S15. Ans.(e)
Sol. $? = 405 \times \frac{40}{100} + 620 \times \frac{65}{100} - 184$
$= 162 + 403 - 184$
=381