

Directions (1-15) : इनमें से प्रत्येक प्रश्न में एक संख्या श्रृंखला दी गई है। प्रत्येक श्रृंखला में केवल एक संख्या श्रृंखला दी जाती है। प्रत्येक श्रृंखला में केवल पद गलत है। गलत पद ज्ञात कीजिए।

Q1. 5531 5506 5425 5304 5135 4910 4621

- (a) 5531
- (b) 5425
- (c) 4621
- (d) 5135
- (e) 5506

Q2. 6 7 9 13 26 37 69

- (a) 7
- (b) 26
- (c) 69
- (d) 37
- (e) 9

Q3. 1 3 10 36 152 760 4632

- (a) 3
- (b) 36
- (c) 4632
- (d) 760
- (e) 152

Q4. 4 3 9 34 96 219 435

- (a) 4
- (b) 9
- (c) 34
- (d) 435
- (e) 219

Q5. 157.5 45 15 6 3 2 1

- (a) 1
- (b) 2
- (c) 6
- (d) 157.5
- (e) 45

Q6. 11, 18, 29, 42, 59, 80, 101

- (a) 42
- (b) 18
- (c) 29
- (d) 59
- (e) None of these

Q7. 2, 9, 32, 105, 436, 2195, 13182

- (a) 436
- (b) 2195
- (c) 9
- (d) 32
- (e) None of these

Q8. 5, 55, 495, 3465, 17325, 34650, 51975

- (a) 495
- (b) 34650
- (c) 55
- (d) 17325
- (e) None of these

Q9. 3, 7, 16, 32, 56, 93, 142

- (a) 56
- (b) 16
- (c) 32
- (d) 7
- (e) None of these

Q10. 4, 5, 12, 38, 160, 805, 4836

- (a) 12
- (b) 160
- (c) 38
- (d) 805
- (e) None of these

Q11. 1527, 1166, 877, 820, 771, 762

- (a) 877
- (b) 771
- (c) 762
- (d) 1527
- (e) 820

Q12. 110, 106, 204, 608, 2384, 11900

- (a) 2384
- (b) 106
- (c) 11900
- (d) 608
- (e) 204

Q13. 71, 90, 128, 185, 261, 365

- (a) 365
- (b) 128
- (c) 185

- (d) 90
- (e) 261

Q14. 8, 14, 45, 92, 267, 532

- (a) 14
- (b) 45
- (c) 92
- (d) 532
- (e) 267

Q15. 18, 36, 144, 864, 6912, 691020

- (a) 691020
- (b) 144
- (c) 864
- (d) 6912
- (e) 36

Solutions

S1. Ans.(a)

Sol.

The number should be 5555 in place of 5531.

$$-7^2, -9^2, -11^2, -13^2, -15^2, -17^2 \dots$$

S2. Ans.(b)

Sol.

The number should be 21 in place of 26.

$$+1, +2, +4, +8, +16, +32$$

S3. Ans.(d)

Sol.

The number should be 770 in place of 760.

$$\times 1 + 2, \times 2 + 4, \times 3 + 6, \times 4 + 8, \times 5 + 10, \times 6 + 12, \dots$$

S4. Ans.(d)

Sol.

The series is $0^2 + 4, 1^2 + 2, 3^2 + 0, 6^2 - 2, 10^2 - 4, 15^2 - 6, 21^2 - 8 \dots$

Hence, 435 should be replaced with 433

S5. Ans.(a)

Sol.

The number should be 2 in place of 1.

$$\div 3.5, \div 3, \div 2.5, \div 2, \div 1.5, \div 1, \dots \dots$$

S6. Ans.(e)

Sol.

The series is +7, +11, +13, +17, +19, +23

$$11 + 7 = 18,$$

$$18 + 11 = 29,$$

$$29 + 13 = 42,$$

$$42 + 17 = 59,$$

$$59 + 19 = 78,$$

$$78 + 23 = 101;$$

The wrong no. is 80; $59 + 19 = 78$

S7. Ans.(d)

Sol.

The series is $(+7 \times 1)$, $(+6 \times 2)$, $(+5 \times 3)$, $(+4 \times 4)$, $(+3 \times 5)$, $(+2 \times 6)$

The wrong no. is 32; $(9 + 6) \times 2 = 15 \times 2 = 30$

S8. Ans.(b)

Sol.

The series is $\times 11$, $\times 9$, $\times 7$, $\times 5$, $\times 3$, $\times 1$

The wrong no. is 34650; $17325 \times 3 = 51975$

S9. Ans.(a)

Sol.

The series is

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

The wrong no. is 56; $32 + 5^2 = 32 + 25 = 57$

S10. Ans.(c)

Sol.

The series is $\times 1+1$, $\times 2+2$, $\times 3+3$, $\times 4+4$, $\times 5+5$, $\times 6+6$.

The wrong no. is 38; $12 \times 3 + 3 = 36 + 3 = 39$

S11. Ans.(a)

Sol.

The series is

$$1527 - 19^2 = 1166,$$

$$1166 - 15^2 = 941$$

$$941 - 11^2 = 820$$

$$820 - 7^2 = 771$$

$$771 - 3^2 = 762$$

\therefore It should be 941 in place of 877

S12. Ans.(d)

Sol.

The series is $110 \times 1 - 4 = 106$,

$$106 \times 2 - 8 = 204$$

$$204 \times 3 - 12 = 600$$

$$600 \times 4 - 16 = 2384$$

$$2384 \times 5 - 20 = 11900$$

∴ There should be 600 in place of 608

S13. Ans.(a)

Sol.

The series is $71 + 19 = 90$

$$90 + 38 = 128$$

$$128 + 57 = 185$$

$$185 + 76 = 261$$

$$261 + 95 = 356$$

Hence there should be 356 in place of 365

S14. Ans.(c)

Sol.

The series is $8 \times 2 - 2 = 14$

$$14 \times 3 + 3 = 45$$

$$45 \times 2 - 2 = 88$$

$$88 \times 3 + 3 = 267$$

$$267 \times 2 - 2 = 532$$

∴ Hence there should be 88 in place of 92

S15. Ans.(a)

Sol. The series is $\times 2, \times 4, \times 6, \times 8, \times 10 \dots$

Hence there should be 69120 in place of 691020