

Course:SBI PO Prelims

Subject: :Double Pattern Series

Time:15 Minutes

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Directions (1 - 5): निम्नलिखित संख्या श्रृंखला में संख्याओं में से एक गलत है। वह गलत पद ज्ञात कीजिये, इसे (A) के स्थान पर रखें और प्रश्न में दिए समान पैटर्न के आधार पर एक नई श्रृंखला बनाएं तथा वह संख्या ज्ञात कीजिये जो (E) के स्थान पर आती है।

Q1. 2 10 27 113 561 3369 23581
 A B C D E F

- (a) 1265
- (b) 1485
- (c) 1521
- (d) 1665
- (e) 2865

L1Difficulty 3

QTagsDouble Pattern Series

QCreatorAmit Kumar Singh

Q2. 2 1.5 2.5 9 32 264 4240
 A B C D E F

- (a) 40
- (b) 364
- (c) 486
- (d) 284
- (e) 60

L1Difficulty 3

QTagsDouble Pattern Series

QCreatorAmit Kumar Singh

Q3. 2 3 12 38 102 227 443
 A B C D E F

- (a) 120
- (b) 254
- (c) 468
- (d) 112
- (e) 156

L1Difficulty 3

QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q4. 3 8 14 48 200 1010 6072
A B C D E F

- (a) 320
- (b) 380
- (c) 420
- (d) 285
- (e) 980

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q5. 128 64 72 96 192 480 1440
A B C D E F

- (a) 96
- (b) 108
- (c) 182
- (d) 156
- (e) 208

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Directions (6 - 10): निम्नलिखित संख्या श्रृंखला में संख्याओं में से एक गलत है। वह गलत पद ज्ञात कीजिये, इसे (A) के स्थान पर रखें और प्रश्न में दिए समान पैटर्न के आधार पर एक नई श्रृंखला बनाएं तथा वह संख्या ज्ञात कीजिये जो (E) के स्थान पर आती है।

Q6. 1 2 6 26 158 1101 8802
A B C D E F

- (a) 23
- (b) 159
- (c) 1265
- (d) 9158
- (e) 5243

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q7. 1728 1729 1737 1764 1810 1835 2051

- A B C D E F
- (a) 1813
 - (b) 1846
 - (c) 1919
 - (d) 2132
 - (e) 2218

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q8. 128 65 67 140 560 4496

- A B C D E F
- (a) 608
 - (b) 68
 - (c) 4525
 - (d) 4927
 - (e) 72425

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q9. 7 16 57 228 1160 6990 48972

- A B C D E F
- (a) 3425
 - (b) 2152
 - (c) 4526
 - (d) 6520
 - (e) 7160

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Q10. 1331 1333 1336 1341 1347 1359 1372

- A B C D E F
- (a) 1382
 - (b) 1397
 - (c) 1364
 - (d) 1368
 - (e) 1383

L1Difficulty 3
QTagsDouble Pattern Series
QCreatorAmit Kumar Singh

Directions (11 - 15): निम्नलिखित संख्या श्रृंखला में संख्याओं में से एक गलत है। वह गलत पद ज्ञात कीजिये, इसे (A) के स्थान पर रखें और प्रश्न में दिए समान पैटर्न के आधार पर एक नई श्रृंखला बनाएं तथा वह संख्या ज्ञात कीजिये जो (E) के स्थान पर आती है।

Q11. 1231, 1374, 1554, 1824, 2147, 2546

(A) , (B) , (C) , (D) , (E)

(a) 2430

(b) 2280

(c) 2670

(d) 2470

(e) 2350

L1Difficulty 3

QTagsDouble Pattern Series

QCreatorAmit Kumar Singh

Q12. 5539, 5536, 5528, 5506, 5314, 2242

(A) , (B) , (C) , (D) , (E)

(a) 4238

(b) 5303

(c) 6529

(d) 2341

(e) 2639

L1Difficulty 3

QTagsDouble Pattern Series

QCreatorAmit Kumar Singh

Q13. 1240, 1492, 1756, 2032, 2328, 2620

(A) , (B) , (C) , (D) , (E)

(a) 8340

(b) 2538

(c) 5204

(d) 2650

(e) 3408

L1Difficulty 3

QTagsDouble Pattern Series

QCreatorAmit Kumar Singh

Q14. 3760, 3763, 3749, 3777, 3721, 3833

(A) , (B) , (C) , (D) , (E)

(a) 3725

(b) 3526

(c) 3628

- (d) 3927
- (e) 4272

L1Difficulty 3
 QTagsDouble Pattern Series
 QCreatorAmit Kumar Singh

Q15. 1256, 1258, 1260, 1278, 1326, 1426
 (A) , (B) , (C) , (D) , (E)

- (a) 1762
- (b) 1544
- (c) 1328
- (d) 1620
- (e) 1840

L1Difficulty 3
 QTagsDouble Pattern Series
 QCreatorAmit Kumar Singh

Solutions

S1. Ans. (c)

Sol.

The given pattern is

$$\times 2 + 7 \quad \times 3 - 6 \quad \times 4 + 5 \quad \times 5 - 4 \quad \times 6 + 3 \quad \times 7 - 2$$

So, wrong number = 10

New series will be

$$10 \times 2 + 7 = 27$$

$$27 \times 3 - 6 = 75$$

$$75 \times 4 + 5 = 305$$

$$305 \times 5 - 4 = 1521$$

So, E= **1521**

S2. Ans. (e)

Sol.

The given pattern is

$$\times 0.5 + 0.5, \quad \times 1 + 1, \quad \times 2 + 2, \quad \times 4 + 4, \quad \times 8 + 8, \quad \times 16 + 16$$

So, wrong number = 9

So, new series will be

$$9 \times 0.5 + 0.5 = 5$$

$$5 \times 1 + 1 = 6$$

$$6 \times 2 + 2 = 14$$

$$14 \times 4 + 4 = 60$$

So, E= 60

S3. Ans. (d)

Sol.

The given pattern is

$$+1^3, +2^3, +3^3, +4^3, +5^3, +6^3$$

So, wrong number is 12

New series will be

$$12+1=13$$

$$13+8=21$$

$$21+27=48$$

$$48+64=112$$

So, E = 112

S4. Ans. (a)

Sol.

The given pattern is

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

So, wrong number = 8

The new series will be

$$8 \times 1 + 2 = 10$$

$$10 \times 2 + 4 = 24$$

$$24 \times 3 + 6 = 78$$

$$78 \times 4 + 8 = 320$$

So, E=320

S5. Ans. (b)

Sol.

The given pattern is

$$\times \frac{1}{2} \quad \times 1 \quad \times \frac{3}{2} \quad \times 2 \quad \times \frac{5}{2} \quad \times 3$$

So, wrong number = 72

$$72 \times \frac{1}{2} = 36$$

$$36 \times 1 = 36$$

$$36 \times \frac{3}{2} = 54$$

$$54 \times 2 = 108$$

So, E = 108

S6. Ans.(d)

Sol.

The pattern of the given series is

$$\times 3 - 1, \quad \times 4 - 2, \quad \times 5 - 3, \quad \times 6 - 4 \dots\dots\dots$$

Wrong number = 26

As per the above pattern

$$26 \times 3 - 1 = 77$$

$$77 \times 4 - 2 = 306$$

$$306 \times 5 - 3 = 1527$$

$$1527 \times 6 - 4 = 9158$$

So, E=9158.

S7. Ans. (b)

Sol.

The pattern of the given series is

$$+1^2, +2^3, +3^2, +4^3, +5^2, \dots$$

Wrong number = 1764

As per the above pattern,

$$1764 + (1)^2 = 1765$$

$$1765 + (2)^3 = 1773$$

$$1773 + (3)^2 = 1782$$

$$1782 + (4)^3 = 1846$$

So, E=1846

S8. Ans. (a)

Sol.

The pattern of the given series is

$$\times \frac{1}{2} + 1, \quad \times 1 + 2, \quad \times 2 + 4, \quad \times 4 + 8 \dots$$

Wrong number = 140

As per the above pattern,

$$140 \times 0.5 + 1 = 71$$

$$71 \times 1 + 2 = 73$$

$$73 \times 2 + 4 = 150$$

$$150 \times 4 + 8 = 608$$

So, E=608

S9. Ans. (e)

Sol.

The pattern of the given series is

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

Wrong number = 57

As per the above pattern,

$$(57+1) \times 2 = 116$$

$$(116+2) \times 3 = 354$$

$$(354+3) \times 4 = 1428$$

$$(1428+4) \times 5 = 7160$$

So, E= 7160

S10. Ans. (c)

Sol.

The pattern of the given series is

Prime number

+2, +3, +5, +7, +11, +13, +17

Wrong number =1347

As per the above pattern,

$$1347 + 2 = 1349$$

$$1349 + 3 = 1352$$

$$1352 + 5 = 1357$$

$$1357 + 7 = 1364$$

So, E=1364

S11. Ans (d)

Sol. The pattern is

$$1231 + 11 \times 13 = 1374$$

$$1374 + 13 \times 15 = 1569 \text{ not } 1554$$

$$1569 + 15 \times 17 = 1824$$

$$1824 + 17 \times 19 = 2147$$

$$2147 + 19 \times 21 = 2546$$

$$\begin{aligned} \text{So, (E)} &= 1554 + 11 \times 13 + 13 \times 15 + 15 \times 17 + 17 \times 19 = \\ &= 2470 \end{aligned}$$

S12. Ans.(b)

Sol. **The given pattern is -**

5539 , 5536 , 5530 , 5506 , 5314 , 2242

$$\begin{array}{cccccc} \boxed{} & \boxed{} & \boxed{} & \boxed{} & \boxed{} & \\ -3 \times 1 & -3 \times 2 & -6 \times 4 & -24 \times 8 & -192 \times 16 & \\ (-3) & (-6) & (-24) & (-192) & (-3072) & \end{array}$$

$$5536 - 6 = 5530, \text{ not } 5528.$$

$$\text{So, (E)} = 5528 - 3 - 6 - 24 - 192 = 5303.$$

S13. Ans.(e)

Sol. **The given pattern is -**

1240 , 1492 , 1756 , 2032 , 2320 , 2620

$$\begin{array}{cccccc} \boxed{} & \boxed{} & \boxed{} & \boxed{} & \boxed{} & \\ +252 & +264 & +276 & +288 & +300 & \end{array}$$

$$2032 + 288 = 2320, \text{ not } 2328$$

$$\text{So, (E)} = 2328 + 252 + 264 + 276 + 288 = 3408.$$

S14. Ans.(a)

Sol. The given pattern is -

$$\begin{array}{ccccccccc} 3756 & 3763 & 3749 & 3777 & 3721 & , & 3833 \\ \hline & +7 & -14 & +28 & -56 & & +112 \end{array}$$

$$3763 - 7 = 3756, \text{ not } 3760$$

$$\text{So, (E)} = 3760 + 7 - 14 + 28 - 56 = 3725$$

S15. Ans.(c)

Sol. The given pattern is -

$$\begin{array}{ccccccccc} 1256 & , & 1256 & , & 1260 & , & 1278 & , & 1326 & , & 1426 \\ \hline & & 1^3-1^2 & & 2^3-2^2 & & 3^3-3^2 & & 4^3-4^2 & & 5^3-5^2 \end{array}$$

$$1256 - (1^3 - 1^2) = 1256, \text{ not } 1258$$

$$\text{So, (E)} = 1258 + 0 + 4 + 18 + 48 = 1328$$