

## Number Series Questions for IBPS PO 2025

**Q1.** 200, 193, 179, 158, ?, 95

- (a) 135
- (b) 133
- (c) 132
- (d) 130
- (e) 128

**Q2.** 9, 45, 180, 540, ?, 1080

- (a) 720
- (b) 900
- (c) 1080
- (d) 1200
- (e) 960

**Q3.** 2, 3, 6, 15, 45, 156.5, 630

- (a) 2
- (b) 15
- (c) 3
- (d) 156.5
- (e) 630

**Q4.** 23, 33, 18, 38, 13, ?

- (a) 24
- (b) 25
- (c) 44
- (d) 50
- (e) 43

**Q5.** 3, 43, 81, 115, 143, ?

- (a) 163
- (b) 172
- (c) 166
- (d) 160
- (e) 168

**Q6.** 7, 12, 19, 30, ?, 72

- (a) 47
- (b) 41
- (c) 27
- (d) 39
- (e) 35

**Q7.** 36, 20, 12, 8, 6, 5.5, 4.5

- (a) 8
- (b) 36
- (c) 5.5
- (d) 4.5
- (e) 6

**Q8.** 1, 6, 25, 76, 153, ?

- (a) 152
- (b) 154
- (c) 153
- (d) 155
- (e) 156

**Q9.** 10, 9, 16, 45, ?, 875

- (a) 175
- (b) 177
- (c) 178
- (d) 176
- (e) 180

**Q10.** 5, 6, 13, 40, 161, ?

- (a) 806
- (b) 508
- (c) 624
- (d) 756
- (e) 842

**Q11.** 1, 3, 9, 31, 128, 651, 3913

- (a) 31
- (b) 3
- (c) 1
- (d) 3913
- (e) 128

**Q12.** 5, 8, 16, 26, 50, 98, 194

- (a) 5
- (b) 194
- (c) 8
- (d) 16
- (e) 98

**Q13.** 50, 54, 45, 61, 36, ?

- (a) 66
- (b) 72
- (c) 75
- (d) 80
- (e) 84

**Q14.** 196, 169, ?, 121, 100, 81

- (a) 132
- (b) 144
- (c) 142
- (d) 154
- (e) 136

**Q15.** 2, 3, 10, 40, 172, 885, 5346

- (a) 40
- (b) 885
- (c) 172
- (d) 3
- (e) 10

**Q16.** 44, 60, 80, 105, 136, ?

- (a) 152
- (b) 164
- (c) 160
- (d) 174
- (e) 178

**Q17.** 32, 39, 34, 41, ?, 43

- (a) 38
- (b) 39
- (c) 37
- (d) 40
- (e) 36

**Q18.** 1, 2, 5, 16, 65, 328, 1957

- (a) 5
- (b) 328
- (c) 16
- (d) 1957
- (e) 65

**Q19.** 84, 96, 83, 95, 80, 94, 81

- (a) 95
- (b) 81
- (c) 83
- (d) 80
- (e) 84

**Q20.** 11, ?, 16, 21, 29, 41

- (a) 12
- (b) 14
- (c) 15
- (d) 13
- (e) 11

**Q21.** 0, 6, 24, 60, ?, 210

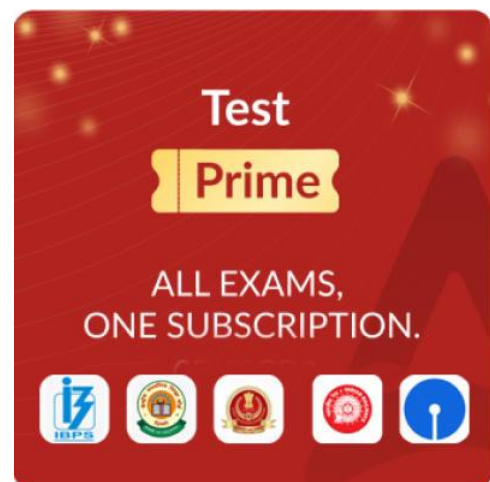
- (a) 130
- (b) 170
- (c) 90
- (d) 120
- (e) 150

**Q22.** 16, 17.8, 21.4, 28.6, 43, ?

- (a) 69.8
- (b) 72.8
- (c) 73.8
- (d) 70.8
- (e) 71.8

**Q23.** 12, 7, 8, 13, ?, 68.5

- (a) 28
- (b) 27
- (c) 26
- (d) 27.5
- (e) 26.5



**Q24.** 15, 8, 9, 15, 32, ?

- (a) 66
- (b) 99
- (c) 80
- (d) 82.5
- (e) 80.5

**Q25.** 72000, 36000, 12000, 3000, 600, ?

- (a) 120
- (b) 200
- (c) 300
- (d) 150
- (e) 100

**Q26.** 60, 61, 86, 167, 336, 627, 1066

- (a) 336
- (b) 86
- (c) 627
- (d) 1066
- (e) 61

**Q27.** 1, 1.5, 3.5, 11, 44.5, 224, 1338.5

- (a) 1.5
- (b) 1338.5
- (c) 44.5
- (d) 224
- (e) 11

**Q28.** 56, 76, 99, 125, 154, 186, 223

- (a) 56
- (b) 76
- (c) 99
- (d) 154
- (e) 223

**Q29.** 9, 14, 24, 41, 67, ?

- (a) 97
- (b) 89
- (c) 104
- (d) 110
- (e) 115

**Q30.** 7, 3.5, 3.5, 7, 28, ?

- (a) 280
- (b) 240
- (c) 150
- (d) 180
- (e) 224

**Q31.** 45, 49, 40, 65, 16, ?

- (a) 137
- (b) 121
- (c) 97
- (d) 143
- (e) 109

**Q32.** 50, 75, 175, 400, 800, ?

- (a) 1435
- (b) 1425
- (c) 1415
- (d) 1405
- (e) 1375

**Q33.** 8, 18, 38, 78, ?, 318

- (a) 178
- (b) 168
- (c) 154
- (d) 148
- (e) 158

**Q34.** 41, ?, 53, 64, 77, 94

- (a) 48
- (b) 46
- (c) 43
- (d) 49
- (e) 41

**Q35.** 1, 2, 5, 10, 17, ?

- (a) 24
- (b) 25
- (c) 26
- (d) 27
- (e) 28

**Q36.** 8, 12, 20, 36, 68, ?

- (a) 132
- (b) 120
- (c) 124
- (d) 136
- (e) 128

**Q37.** 2, ?, 30, 74, 154, 282

- (a) 16
- (b) 18
- (c) 12
- (d) 10
- (e) 15

**Q38.** 27, 48, 80, 134, 221, 355, 538

- (a) 27
- (b) 355
- (c) 80
- (d) 134
- (e) 538

**Q39.** 146, 145, 149, 122, 138, 15, 49

- (a) 138
- (b) 122
- (c) 15
- (d) 146
- (e) 149

**Q40.** 1.7, 3.0, 5.6, 9.5, 14.7, 21.8, 29

- (a) 3.0
- (b) 9.5
- (c) 21.8
- (d) 14.7
- (e) 29

**Q41.** 49, 100, 202, 406, 814, 1633, 3262

- (a) 100
- (b) 3262
- (c) 406
- (d) 814
- (e) 1633

**Q42.** 3, 10, 36, 99, 223, 440, 780

- (a) 440
- (b) 10
- (c) 36
- (d) 99
- (e) 223

**Q43.** 1.5, 9, 51, 205, 616, 1233, 1234

- (a) 616
- (b) 51
- (c) 1.5
- (d) 1233
- (e) 9

**Q44.** 6, 1, 60, 2, 600, 20, 6000

- (a) 6
- (b) 1
- (c) 2
- (d) 600
- (e) 20

**Q45.** 49, 121, 169, 289, ?, 529

- (a) 361
- (b) 225
- (c) 441
- (d) 196
- (e) 484

**Q46.** 4.8, 6.1, 7.6, 9.3, 11.2, ?

- (a) 13.3
- (b) 12.4
- (c) 11.9
- (d) 13.6
- (e) 13.9

**Q47.** 400, 689, 1050, 1579, 2306, 3381, 4750

- (a) 2306
- (b) 689
- (c) 4750
- (d) 3381
- (e) 400

**Q48.** 53, 75, ?, 125, 153, 183

- (a) 100
- (b) 105
- (c) 95
- (d) 99
- (e) 92

**Q49.** 4320, 4337, 4463, 4500, 4844, 4910, 5639

- (a) 4320
- (b) 4910
- (c) 5639
- (d) 4844
- (e) 4463

**Q50.** 3, 4, 8, 24, 88, 364, 1368

- (a) 1368
- (b) 24
- (c) 88
- (d) 8
- (e) 364

**Q51.** 1736, 1751, 1776, 1821, 1896, 2012, 2176

- (a) 1751
- (b) 1821
- (c) 1896
- (d) 2012
- (e) 1736

**Q52.** 10, 21, ?, 25, 6, 29

- (a) 8
- (b) 7
- (c) 23
- (d) 34
- (e) 10

**Q53.** 100, 101, 103, 109, 133, ?

- (a) 253
- (b) 216
- (c) 240
- (d) 200
- (e) 210

**Q54.** 12600, 1800, 300, 60, ?, 5

- (a) 15
- (b) 16
- (c) 40
- (d) 20
- (e) 30

**Q55.** 21, ?, 135, 544, 2725, 16356

- (a) 105
- (b) 84
- (c) 100
- (d) 24
- (e) 44

**Q56.** 8, 27, 125, 343, 121, 2197, 4913

- (a) 27
- (b) 121
- (c) 8
- (d) 343
- (e) 4913

**Q57.** 22, 24.5, 29.5, 37, 47, ?

- (a) 57.5
- (b) 61.5
- (c) 60.5
- (d) 59.5
- (e) 67

**Q58.** 38, 35, 70, 280, 1680, 13440, 134400

- (a) 38
- (b) 35
- (c) 70
- (d) 280
- (e) 1680

**Q59.** 100, 240, 480, 1344, 4300.8, 15482.88, 61931.52

- (a) 240
- (b) 61931.52
- (c) 15482.88
- (d) 1344
- (e) 100

**Q60.** 309, 516, 932, 1764, 3428, 6756, 13412

- (a) 1764
- (b) 309
- (c) 516
- (d) 6756
- (e) 932

**Directions (61-65):** In each number series only one number is wrong. Find out the that wrong number.

**Q61.** 240, 720, 180, 900, 100, 1050, 131.25

- (a) 180
- (b) 100
- (c) 900
- (d) 1050
- (e) 240

**Q62.** 148, 170, 203, 243, 294, 358, 437

- (a) 170
- (b) 243
- (c) 437
- (d) 358
- (e) 148

**Q63.** 12, 11, 21, 62, 247, 1234, 7404

- (a) 247
- (b) 1234
- (c) 11
- (d) 12
- (e) 7404

**Q64.** 68, 168, 352, 712, 1430, 2858, 5717

- (a) 352
- (b) 712
- (c) 2858
- (d) 1430
- (e) 5717

**Q65.** 113, 114, 118, 134, 198, 454, 1476

- (a) 1476
- (b) 113
- (c) 454
- (d) 114
- (e) 198

**Directions (66-70):** In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

**Q66.** 12, 22, 64, 220, 928, 4690, 28200

- (a) 12
- (b) 22
- (c) 64
- (d) 220
- (e) 928

**Q67.** 144, 72, 48, 36, 26.6, 24,  $\frac{144}{7}$

- (a) 144
- (b) 72
- (c) 48
- (d) 36
- (e) 26.6

**Q68.** 120, 142, 166, 190, 220, 250, 282

- (a) 166
- (b) 190
- (c) 220
- (d) 250
- (e) 282

**Q69.** 200, 190, 160, 111, 46, -30, -120

- (a) -120
- (b) -30
- (c) 46
- (d) 111
- (e) 160

**Q70.**  $\frac{3}{11}$ , 4, 37, 260, 1301, 3904, 3906

- (a) 37
- (b) 3904
- (c) 3906
- (d) 260
- (e) 4

**Directions (71-75):** In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

**Q71.** 15, 22, 6, 30, -2, 38, -10

- (a) 22
- (b) 15
- (c) 6
- (d) -2
- (e) 38

**Q72.** 18, 5, 9, 9.5, 23, 54.5, 164.5

- (a) 54.5
- (b) 18
- (c) 5
- (d) 9
- (e) 164.5

**Q73.** 102, 158, 218, 282, 350, 422, 500

- (a) 102
- (b) 218
- (c) 350
- (d) 422
- (e) 500

**Q74.** 72, 52, 42, 30, 20, 12, 6

- (a) 72
- (b) 42
- (c) 30
- (d) 52
- (e) 6

**Q75.** 125, 164, 284, 484, 764, 1124

- (a) 125
- (b) 284
- (c) 764
- (d) 1124
- (e) 164

**Directions (76-80):** There is a wrong number given in some series while some series are correct. Find the wrong number or mark appropriate option.

**Q76.** 20, 11, 12, 25, 100, 809, 12945

- (a) 20
- (b) 100
- (c) 809
- (d) 12
- (e) 12945

**Q77.** -55, 11, 65, 110, 143, 165, 176

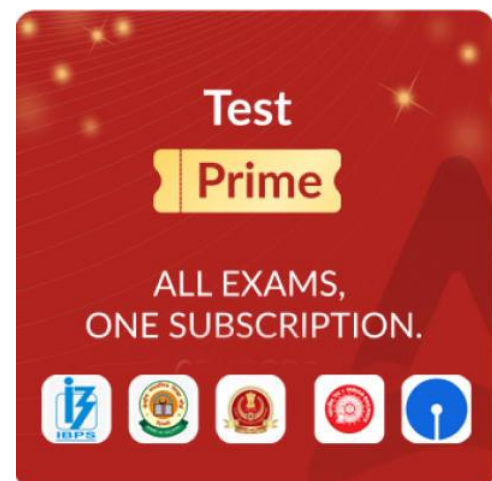
- (a) -55
- (b) 176
- (c) 110
- (d) 65
- (e) 11

**Q78.** 8, 17, 42, 91, 172, 293, 462

- (a) 8
- (b) 172
- (c) Series is correct
- (d) 462
- (e) 42

**Q79.** 20, 40, 40, 60, 120, 300, 900

- (a) 20
- (b) 60
- (c) 900
- (d) 300
- (e) 120



**Q80.** 304, 226, 161, 109, 68, 44, 31

- (a) 304
- (b) 44
- (c) 31
- (d) 109
- (e) 68

**Direction (81-85):** What will come in the place of question (?) mark in the following questions.

**Q81.** 4, 16, 33, 58, 94, ?

- (a) 134
- (b) 124
- (c) 144
- (d) 154
- (e) 164

**Q82.** ?, 14, 18, 30, 51, 136

- (a) 7
- (b) 8
- (c) 13

(d) 9

(e) 11

**Q83.** 2, 8, 38, 89, 155, ?

- (a) 217
- (b) 207
- (c) 227
- (d) 237
- (e) 197

**Q84.** 121, 192, 265, 344, ?, 516

- (a) 417
- (b) 407
- (c) 427
- (d) 437
- (e) 425

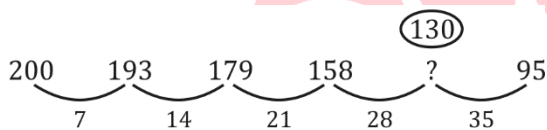
**Q85.** 4, 16, 64, 256, ?, 4096

- (a) 1024
- (b) 512
- (c) 2048
- (d) 1512
- (e) 1056

## Solutions

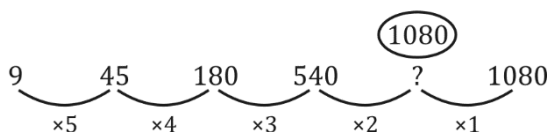
**S1. Ans.(d)**

**Sol.**



**S2. Ans.(c)**

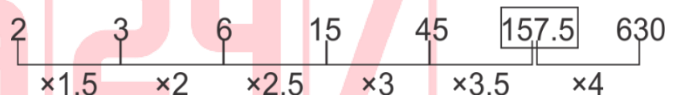
**Sol.**



**S3. Ans.(d)**

**Sol.** Wrong number = 156.5

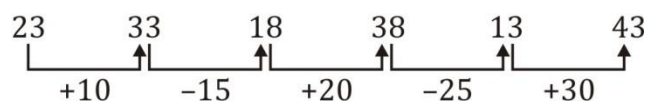
Pattern of series-



So, there should be 157.5 in place of 156.5.

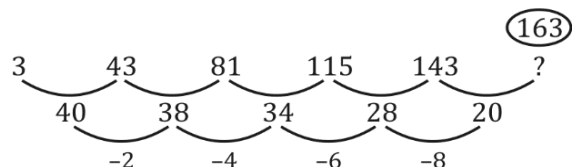
**S4. Ans.(e)**

**Sol.**



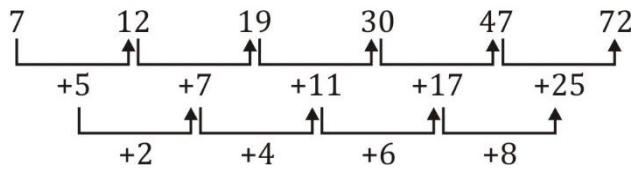
**S5. Ans.(a)**

**Sol.**



**S6. Ans.(a)**

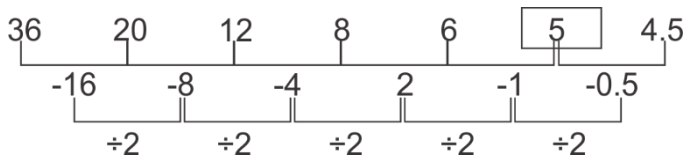
**Sol.**



**S7. Ans.(c)**

**Sol.** Wrong number = 5.5

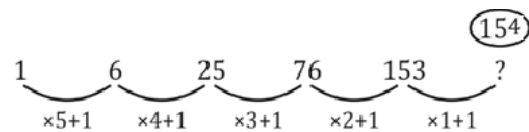
Pattern of series -



So, there should be 5 in place of 5.5

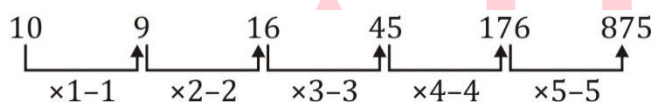
**S8. Ans.(b)**

**Sol.**



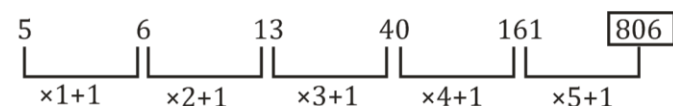
**S9. Ans.(d)**

**Sol.**



**S10. Ans.(a)**

**Sol.** Pattern of series -

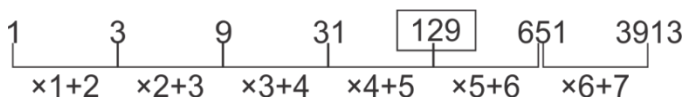


So, missing number is 806.

**S11. Ans.(e)**

**Sol.** Wrong number = 128

Pattern of series -

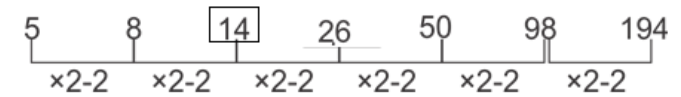


So, there should be 129 in place of 128

**S12. Ans.(d)**

**Sol.** Wrong number = 16

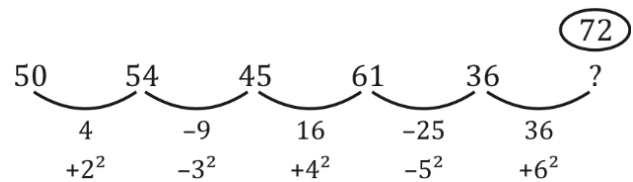
Pattern of series -



So, there should be 14 in place of 16.

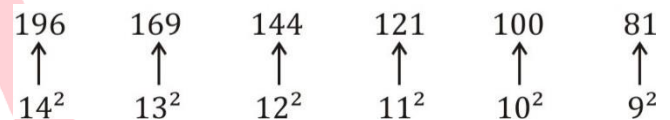
**S13. Ans.(b)**

**Sol.**



**S14. Ans.(b)**

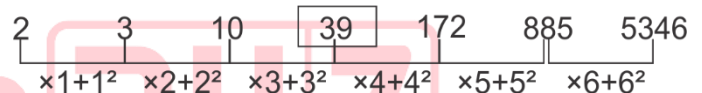
**Sol.**



**S15. Ans.(a)**

**Sol.** Wrong number = 40

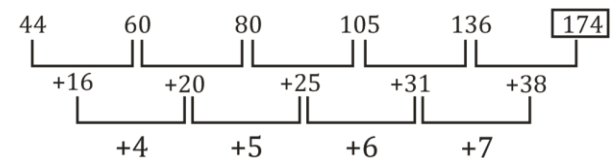
Pattern of series -



So, there should be 39 in place of 40.

**S16. Ans.(d)**

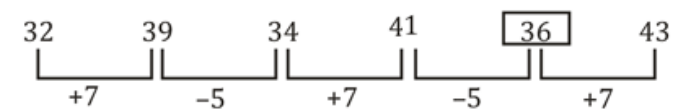
**Sol.** Pattern of series -



So, missing number is 174.

**S17. Ans.(e)**

**Sol.** Pattern of series -



So, missing number is 36.

**S18. Ans.(b)**

**Sol.** The wrong no. is 328

$$1 \times 1 + 1 = 2$$

$$2 \times 2 + 1 = 5$$

$$5 \times 3 + 1 = 16$$

$$16 \times 4 + 1 = 65$$

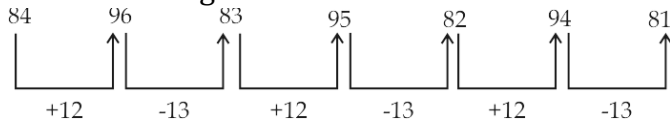
$$65 \times 5 + 1 = 326$$

$$326 \times 6 + 1 = 1957$$

So, there should be 326 instead of 328

**S19. Ans.(d)**

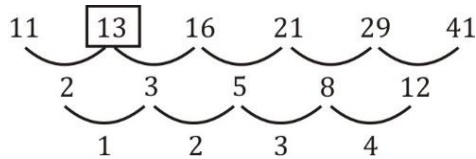
**Sol.** The wrong no. is 80



So, there should be 82 instead of 80

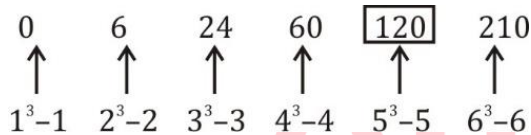
**S20. Ans.(d)**

**Sol.**



**S21. Ans.(d)**

**Sol.**



**S22. Ans.(e)**

**Sol.** Pattern of series -

$$16 + 1.8 = 17.8$$

$$17.8 + 3.6 = 21.4$$

$$21.4 + 7.2 = 28.6$$

$$28.6 + 14.4 = 43$$

$$? = 43 + 28.8 = 71.8$$

**S23. Ans.(b)**

**Sol.** Pattern of series -

$$12 \times 0.5 + 1 = 7$$

$$7 \times 1 + 1 = 8$$

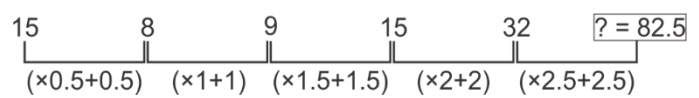
$$8 \times 1.5 + 1 = 13$$

$$? = 13 \times 2 + 1 = 27$$

$$27 \times 2.5 + 1 = 68.5$$

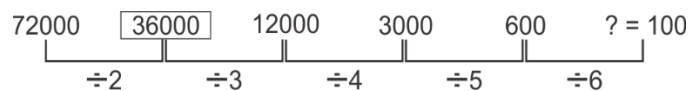
**S24. Ans.(d)**

**Sol.** Pattern of series -



**S25. Ans.(e)**

**Sol.** Pattern of series -



**S26. Ans.(c)**

**Sol.** Wrong number = 627

Pattern of series -

$$60 + 1^2 = 61$$

$$61 + 5^2 = 86$$

$$86 + 9^2 = 167$$

$$167 + 13^2 = 336$$

$$336 + 17^2 = 625$$

$$625 + 21^2 = 1066$$

**S27. Ans.(d)**

**Sol.** Wrong number = 224

Pattern of series -

$$1 \times 1 + 0.5 = 1.5$$

$$1.5 \times 2 + 0.5 = 3.5$$

$$3.5 \times 3 + 0.5 = 11$$

$$11 \times 4 + 0.5 = 44.5$$

$$44 \times 5 + 0.5 = 223$$

$$223 \times 6 + 0.5 = 1338.5$$

**S28. Ans.(e)**

**Sol.** Wrong number = 223

Pattern of series -

$$56 + 20 = 76$$

$$76 + 23 = 99$$

$$99 + 26 = 125$$

$$125 + 29 = 154$$

$$154 + 32 = 186$$

$$186 + 35 = 221$$

**S29. Ans.(c)**

**Sol.** Pattern of series –

$$9 + 2^2 + 1 = 14$$

$$14 + 3^2 + 1 = 24$$

$$24 + 4^2 + 1 = 41$$

$$41 + 5^2 + 1 = 67$$

$$67 + 6^2 + 1 = 104$$

**S30. Ans.(e)**

**Sol.** Pattern of series –

$$7 \times 0.5 = 3.5$$

$$3.5 \times 1 = 3.5$$

$$3.5 \times 2 = 7$$

$$7 \times 4 = 28$$

$$28 \times 8 = 224$$

**S31. Ans.(a)**

**Sol.** The pattern of the series is –

$$45 + 2^2 = 49$$

$$49 - 3^2 = 40$$

$$40 + 5^2 = 65$$

$$65 - 7^2 = 16$$

$$16 + 11^2 = 137$$

**S32. Ans.(b)**

**Sol.** Pattern of series –

$$50 + 5^2 = 75$$

$$75 + 10^2 = 175$$

$$175 + 15^2 = 400$$

$$400 + 20^2 = 800$$

$$? = 800 + 25^2 = 1425$$

**S33. Ans.(e)**

**Sol.** Pattern of series –

$$8 + 10 = 18$$

$$18 + 20 = 38$$

$$38 + 40 = 78$$

$$? = 78 + 80 = 158$$

$$158 + 160 = 318$$

**S34. Ans.(b)**

**Sol.** Pattern of series –

$$? = 41 + 5 = 46$$

$$46 + 7 = 53$$

$$53 + 11 = 64$$

$$64 + 13 = 77$$

$$77 + 17 = 94$$

**S35. Ans.(c)**

**Sol.** Here the pattern is:

$$1 + 1 = 2$$

$$2 + 3 = 5$$

$$5 + 5 = 10$$

$$10 + 7 = 17$$

$$? = 17 + 9 = 26$$

**S36. Ans.(a)**

**Sol.** Missing number = 132

Pattern of series –

$$8 + 4 = 12$$

$$12 + 8 = 20$$

$$20 + 16 = 36$$

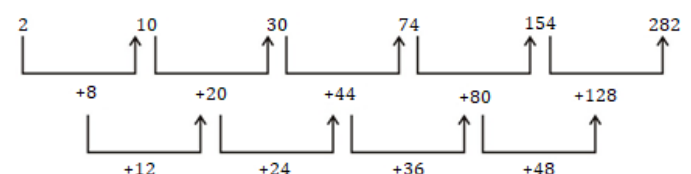
$$36 + 32 = 68$$

$$? = 68 + 64 = 132$$

**S37. Ans.(d)**

**Sol.** Missing number = 10

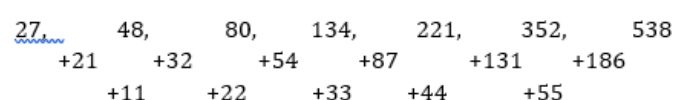
Pattern of series –



**S38. Ans.(b)**

**Sol.** Wrong number = 355

Pattern of series –



**S39. Ans.(c)**

**Sol.** Wrong number = 15

Pattern of series –

$$146 - 1^3 = 145$$

$$145 + 2^2 = 149$$

$$149 - 3^3 = 122$$

$$122 + 4^2 = 138$$

$$138 - 5^3 = 13$$

$$13 + 6^2 = 49$$

**S40. Ans.(c)**

**Sol.** Wrong number = 21.8

Pattern of series –

$$1.7 + 1.3 = 3.0$$

$$3.0 + 2.6 = 5.6$$

$$5.6 + 3.9 = 9.5$$

$$9.5 + 5.2 = 14.7$$

$$14.7 + 6.5 = 21.2$$

$$21.2 + 7.8 = 29$$

**S41. Ans.(e)**

**Sol.** Wrong number = 1633

Here the pattern is:

$$49 \times 2 + 2 = 100$$

$$100 \times 2 + 2 = 202$$

$$202 \times 2 + 2 = 406$$

$$406 \times 2 + 2 = 814$$

$$814 \times 2 + 2 = 1630$$

$$1630 \times 2 + 2 = 3262$$

**S42. Ans.(a)**

**Sol.** Wrong number = 440

Pattern of series –

$$3 + (2^3 - 1) = 10$$

$$10 + (3^3 - 1) = 36$$

$$36 + (4^3 - 1) = 99$$

$$99 + (5^3 - 1) = 223$$

$$223 + (6^3 - 1) = 438$$

$$438 + (7^3 - 1) = 780$$

So, 438 should come in the place of 440

**S43. Ans.(e)**

**Sol.** Wrong number = 9

Pattern of the series:

$$1.5 \times 6 + 1 = 10$$

$$10 \times 5 + 1 = 51$$

$$51 \times 4 + 1 = 205$$

$$205 \times 3 + 1 = 616$$

$$616 \times 2 + 1 = 1233$$

$$1233 \times 1 + 1 = 1234$$

**S44. Ans.(b)**

**Sol.** Pattern of the series

$$6, \quad 0.2, \quad 60, \quad 2, \quad 600, \quad 20, \quad 6000$$

$$\div 30 \quad \times 300 \quad \div 30 \quad \times 300 \quad \div 30 \quad \times 300$$

**S45. Ans.(a)**

**Sol.** Pattern of series –

$$7^2 = 49$$

$$11^2 = 121$$

$$13^2 = 169$$

$$17^2 = 289$$

$$? = 19^2 = 361$$

$$23^2 = 529$$

**S46. Ans.(a)**

**Sol.** Pattern of series –

$$4.8 + 1.3 = 6.1$$

$$6.1 + 1.5 = 7.6$$

$$7.6 + 1.7 = 9.3$$

$$9.3 + 1.9 = 11.2$$

$$? = 11.2 + 2.1 = 13.3$$

**S47. Ans.(a)**

**Sol.** Wrong number = 2306

Pattern of series –

Addition of square of consecutive prime numbers

$$400 + 17^2 = 689$$

$$689 + 19^2 = 1050$$

$$1050 + 23^2 = 1579$$

$$1579 + 29^2 = 2420$$

$$2420 + 31^2 = 3381$$

$$3381 + 37^2 = 4750$$

#### S48. Ans.(d)

**Sol.** Pattern of the series:

53, 75, 99, 125, 153, 183  
 $+22$   $+24$   $+26$   $+28$   $+30$

#### S49. Ans.(b)

**Sol.** Wrong term = 4910

Pattern of series –

4320, 4337, 4463, 4500, 4844, 4909, 5639  
 $+17$   $+126$   $+37$   $+344$   $+65$   $+730$   
 $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   
 $(4^2+1)$   $(5^3+1)$   $(6^2+1)$   $(7^3+1)$   $(8^2+1)$   $(9^3+1)$

#### S50. Ans.(e)

**Sol.** Wrong term = 364

Pattern of series –

3, 4, 8, 24, 88, 344, 1368  
 $+1$   $+4$   $+16$   $+64$   $+256$   $+1024$   
 $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   $\uparrow$   
 $2^0$   $2^2$   $2^4$   $2^6$   $2^8$   $2^{10}$

#### S51. Ans.(d)

**Sol.** Wrong term = 2012

Pattern of series –

1736, 1751, 1776, 1821, 1896, 2011, 2176  
 $+15$   $+25$   $+45$   $+75$   $+115$   $+165$   
 $+10$   $+20$   $+30$   $+40$   $+50$

#### S52. Ans.(a)

**Sol.** Pattern of series –

10, 21, 8, 25, 6, 29  
 $+11$   $-13$   $+17$   $-19$   $+23$

#### S53. Ans.(a)

**Sol.**  $100 + 1! = 101$

$101 + 2! = 103$

$103 + 3! = 109$

$109 + 4! = 133$

$133 + 5! = 253$

#### S54. Ans.(a)

**Sol.** Pattern of the series

$12600 \times \frac{1}{7} = 1800$

$1800 \times \frac{1}{6} = 300$

$300 \times \frac{1}{5} = 60$

$60 \times \frac{1}{4} = 15$

$15 \times \frac{1}{3} = 5$

#### S55. Ans.(e)

**Sol.**  $21 \times 2 + 2 = 44$

$44 \times 3 + 3 = 135$

$135 \times 4 + 4 = 544$

$544 \times 5 + 5 = 2725$

$2725 \times 6 + 6 = 16356$

#### S56. Ans.(b)

**Sol.** Wrong number = 121

The pattern of the series:

8, 27, 125, 343, 1331, 2197, 4913

$2^3$   $3^3$   $5^3$   $7^3$   $11^3$   $13^3$   $17^3$

#### S57. Ans.(d)

**Sol.** Pattern of series –

$22 + 2.5 = 24.5$

$24.5 + 5 = 29.5$

$29.5 + 7.5 = 37$

$37 + 10 = 47$

$47 + 12.5 = 59.5$

#### S58. Ans.(a)

**Sol.** Wrong number = 38

The pattern of the series:

35, 35, 70, 280, 1680, 13440, 134400  
 $\times 1$   $\times 2$   $\times 4$   $\times 6$   $\times 8$   $\times 10$

#### S59. Ans.(a)

**Sol.** Pattern of series –

$100 \times 2 = 200$

$200 \times 2.4 = 480$

$480 \times 2.8 = 1344$

$1344 \times 3.2 = 4300.8$

$4300.8 \times 3.6 = 15482.88$

$15482.88 \times 4 = 61931.52$

#### S60. Ans.(b)

**Sol.** Pattern of series –

$308 \times 2 - 100 = 516$

$516 \times 2 - 100 = 932$

$932 \times 2 - 100 = 1764$

$1764 \times 2 - 100 = 3428$

$3428 \times 2 - 100 = 6756$

$6756 \times 2 - 100 = 13412$

**S61. Ans.(b)**

**Sol.** Pattern of series –

$$240 \times 3 = 720$$

$$720 \div 4 = 180$$

$$180 \times 5 = 900$$

$$900 \div 6 = \mathbf{150}$$

$$\mathbf{150} \times 7 = 1050$$

$$1050 \div 8 = 131.25$$

**S62. Ans.(a)**

**Sol.** Pattern of series –

$$\begin{array}{cccccccccccccccc} 148 & & 172 & & 203 & & 243 & & 294 & & 358 & & 437 \\ & +24 & & +31 & & +40 & & +51 & & +64 & & +79 & & \\ & & +7 & & +9 & & +11 & & +13 & & +15 & & \end{array}$$

**S63. Ans.(e)**

**Sol.** Pattern of series –

$$12 \times 1 - 1 = 11$$

$$11 \times 2 - 1 = 21$$

$$21 \times 3 - 1 = 62$$

$$62 \times 4 - 1 = 247$$

$$247 \times 5 - 1 = 1234$$

$$1234 \times 6 - 1 = \mathbf{7403}$$

**S64. Ans.(d)**

**Sol.** Pattern of series –

$$68 \times 2 + 32 = 168$$

$$168 \times 2 + 16 = 352$$

$$352 \times 2 + 8 = 712$$

$$712 \times 2 + 4 = \mathbf{1428}$$

$$1428 \times 2 + 2 = 2858$$

$$2858 \times 2 + 1 = 5717$$

**S65. Ans.(a)**

**Sol.** Pattern of series –

$$113 + 4^0 = 114$$

$$114 + 4^1 = 118$$

$$118 + 4^2 = 134$$

$$134 + 4^3 = 198$$

$$198 + 4^4 = 454$$

$$454 + 4^5 = \mathbf{1478}$$

**S66. Ans.(d)**

**Sol.** Wrong number = 220

Pattern of the series:

$$12 \times 1 + 10 = 22$$

$$22 \times 2 + 20 = 64$$

$$64 \times 3 + 30 = \mathbf{222}$$

$$222 \times 4 + 40 = 928$$

$$928 \times 5 + 50 = 4690$$

$$4690 \times 6 + 60 = 28200$$

**S67. Ans.(e)**

**Sol.** Wrong number = 26.6

Pattern of the series:

$$144 \times \frac{1}{2} = 72$$

$$72 \times \frac{2}{3} = 48$$

$$48 \times \frac{3}{4} = 36$$

$$36 \times \frac{4}{5} = \mathbf{28.8}$$

$$28.8 \times \frac{5}{6} = 24$$

$$24 \times \frac{6}{7} = \frac{144}{7}$$

**S68. Ans.(b)**

**Sol.** Wrong number = 190

Pattern of the series:

$$11^2 - 1 = 120$$

$$12^2 - 2 = 142$$

$$13^2 - 3 = 166$$

$$14^2 - 4 = \mathbf{192}$$

$$15^2 - 5 = 220$$

$$16^2 - 6 = 250$$

$$17^2 - 7 = 282$$

Alternative Method

$$120 + 22 = 142$$

$$142 + 24 = 166$$

$$166 + 26 = \mathbf{192}$$

$$192 + 28 = 220$$

$$220 + 30 = 250$$

$$250 + 32 = 282$$

**S69. Ans.(a)**

**Sol.** Wrong number = 120

Pattern of the series:

|      |      |      |      |     |      |      |
|------|------|------|------|-----|------|------|
| 200, | 190, | 160, | 111, | 46, | -30, | -110 |
| -10  | -30  | -49  | -65  | -76 | -80  |      |
| -20  | -19  | -16  | -11  | -4  |      |      |
| +1   | +3   | +5   | +7   |     |      |      |

**S70. Ans.(c)**

**Sol.** Wrong number = 3906

Pattern of the series:

$$\frac{3}{11} \times 11 + 1 = 4$$

$$4 \times 9 + 1 = 37$$

$$37 \times 7 + 1 = 260$$

$$260 \times 5 + 1 = 1301$$

$$1301 \times 3 + 1 = 3904$$

$$3904 \times 1 + 1 = \mathbf{3905}$$
**S71. Ans.(b)**

**Sol.** Pattern of series

Wrong number = 15

$14 + 8 = 22$   
 $22 - 16 = 6$   
 $6 + 24 = 30$   
 $30 - 32 = -2$   
 $-2 + 40 = 38$   
 $38 - 48 = -10$

**S72. Ans.(a)**

**Sol.** Pattern of series

Wrong number = 54.5

$18 \times 0.5 - 4 = 5$   
 $5 \times 1 + 4 = 9$   
 $9 \times 1.5 - 4 = 9.5$   
 $9.5 \times 2 + 4 = 23$   
 $23 \times 2.5 - 4 = 53.5$   
 $53.5 \times 3 + 4 = 164.5$

**S73. Ans.(e)**

**Sol.** Pattern of series

Wrong number = 500

$102 + 56 = 158$   
 $158 + 60 = 218$   
 $218 + 64 = 282$   
 $282 + 68 = 350$   
 $350 + 72 = 422$   
 $422 + 76 = 498$

**S74. Ans.(d)**

**Sol.** Pattern of series

Wrong number = 52

$8 \times 9 = 72$   
 $7 \times 8 = 56$   
 $6 \times 7 = 42$   
 $5 \times 6 = 30$   
 $4 \times 5 = 20$   
 $3 \times 4 = 12$   
 $2 \times 3 = 6$

**S75. Ans.(a)**

**Sol.** Pattern of series

Wrong number = 125

$124 + (40 \times 1) = 164$   
 $164 + (40 \times 3) = 284$   
 $284 + (40 \times 5) = 484$   
 $484 + (40 \times 7) = 764$   
 $764 + (40 \times 9) = 1124$

**S76. Ans.(b)**

**Sol.** Wrong number = 100

Pattern of series -

$20 \times 0.5 + 1 = 11$   
 $11 \times 1 + 1 = 12$   
 $12 \times 2 + 1 = 25$   
 $25 \times 4 + 1 = 101$   
 $101 \times 8 + 1 = 809$   
 $809 \times 16 + 1 = 12945$

**S77. Ans.(d)**

**Sol.** Wrong number = 65

Pattern of series -

$-55 + 66 = 11$   
 $11 + 55 = 66$   
 $66 + 44 = 110$   
 $110 + 33 = 143$   
 $143 + 22 = 165$   
 $165 + 11 = 176$

**S78. Ans.(c)**

**Sol.** Series is correct

Pattern of series –

$$8 + 3^2 = 17$$

$$17 + 5^2 = 42$$

$$42 + 7^2 = 91$$

$$91 + 9^2 = 172$$

$$172 + 11^2 = 293$$

$$293 + 13^2 = 462$$

**S79. Ans.(a)**

**Sol.** Wrong number = 20

Pattern of series –

$$80 \times 0.5 = 40$$

$$40 \times 1 = 40$$

$$40 \times 1.5 = 60$$

$$60 \times 2 = 120$$

$$120 \times 2.5 = 300$$

$$300 \times 3 = 900$$

**S80. Ans.(e)**

**Sol.** Wrong number = 68

Pattern of series –

$$304 - 78 = 226$$

$$226 - 65 = 161$$

$$161 - 52 = 109$$

$$109 - 39 = 70$$

$$70 - 26 = 44$$

$$44 - 13 = 31$$

**S81. Ans.(c)**

**Sol.** Pattern of series –

$$\begin{array}{ccccccc} 4 & 16 & 33 & 58 & 94 & ? = 144 \\ +12 & +17 & +25 & +36 & +50 & \\ & +5 & +8 & +11 & +14 & \\ & & +3 & +3 & +3 & \end{array}$$

**S82. Ans.(e)**

**Sol.** Pattern of series –

$$\begin{array}{ccccccc} ? = 11 & 14 & 18 & 30 & 51 & 136 \\ +3 & +4 & +12 & +21 & +85 & \\ & +1 & +8 & +9 & +64 & \\ & 1^2 & 2^3 & 3^2 & 4^3 & \end{array}$$

**S83. Ans.(c)**

**Sol.** Pattern of series –

$$\begin{array}{ccccccc} 2 & 8 & 38 & 89 & 155 & ? = 227 \\ +6 & +30 & +51 & +66 & +72 & \\ & +24 & +21 & +15 & +6 & \\ & & -3 & -6 & -9 & \end{array}$$

**S84. Ans.(c)**

**Sol.** Pattern of series –

$$\begin{array}{ccccccc} 121 & 192 & 265 & 344 & ? = 427 & 516 \\ +71 & +73 & +79 & +83 & +89 & \end{array}$$

**S85. Ans.(a)**

**Sol.** Pattern of series –

$$4^1 = 4$$

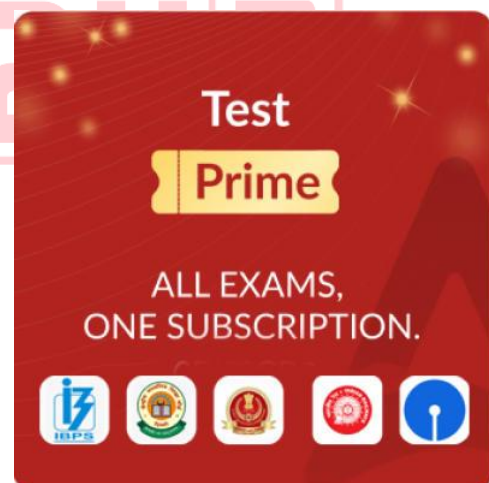
$$4^2 = 16$$

$$4^3 = 64$$

$$4^4 = 256$$

$$? = 4^5 = 1024$$

$$4^6 = 4096$$



**Test Prime**

ALL EXAMS,  
ONE SUBSCRIPTION.

IBPS, SSC, RRB, UPSC, and other exam icons.