

Quiz Date: 13<sup>th</sup> August 2020

**Directions (1-15):-** Find wrong number in the given series pattern.

Q1. 23, 25, 28, 33, 40, 49

- (a) 25
- (b) 28
- (c) 49
- (d) 33
- (e) 40

Q2. 37, 148, 306, 511, 765, 1062

- (a) 765
- (b) 148
- (c) 306
- (d) 511
- (e) 1062

Q3. 24, 72, 144, 432, 864, 1728

- (a) 72
- (b) 144
- (c) 432
- (d) 1728
- (e) 864

Q4. 27, 35, 48, 108, 133, 349

- (a) 133
- (b) 108
- (c) 35
- (d) 349
- (e) 48

Q5. 4, 2, 3, 6, 16, 68

- (a) 68
- (b) 16
- (c) 2
- (d) 3
- (e) 6

Q6. 120, 28, 6, 2, 1, 1

- (a) 6
- (b) 120
- (c) 2
- (d) 1
- (e) 28

Q7. 1, 2, 4, 8, 18, 32

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- (a) 2
- (b) 8
- (c) 6
- (d) 18
- (e) 32

Q8. 23, 25, 28, 33, 40, 49

- (a) 25
- (b) 28
- (c) 33
- (d) 49
- (e) 40

Q9. 27, 135, 343, 729, 1331, 2197

- (a) 135
- (b) 343
- (c) 729
- (d) 1331
- (e) 2197

Q10. 4, 6, 12, 24, 44, 76

- (a) 76
- (b) 4
- (c) 24
- (d) 44
- (e) 12

Q11. 68, 130, 222, 336, 520, 720

- (a) 68
- (b) 130
- (c) 222
- (d) 336
- (e) 720

Q12. 56, 89, 136.5, 212.75, 324.125, 491.1875

- (a) 89
- (b) 491.1875
- (c) 56
- (d) 136.5
- (e) 212.75

Q13. 87, 116, 174, 261, 397, 522

- (a) 397
- (b) 174
- (c) 261
- (d) 87



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(e) 522

Q14. 670, 736, 792, 850, 890, 972

(a) 736

(b) 792

(c) 890

(d) 670

(e) 850

Q15. 273, 249, 373, 337, 553, 504

(a) 249

(b) 373

(c) 273

(d) 337

(e) 504

**Solutions**

S1. Ans.(c)

Sol. 23      25      28      33      40      51

          +2      +3      +5      +7      +11

S2. Ans.(a)

Sol. 37      148      306      511      763      1062

          111      158      205      252      299

          47      47      47      47

S3. Ans.(d)

Sol. 24      72      144      432      864      2592

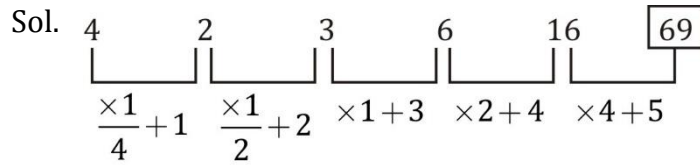
          ×3      ×2      ×3      ×2      ×3

S4. Ans.(e)

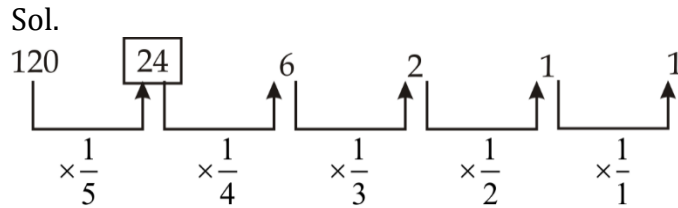
Sol. Pattern is

 $+2^3, +3^2, +4^3, +5^2, +6^3$ So,  $35 + 3^2 = 44$ 

S5. Ans.(a)



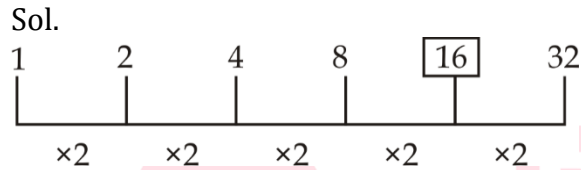
S6. Ans.(e)



Wrong Number = 28

Right number =  $120/5 = 24$

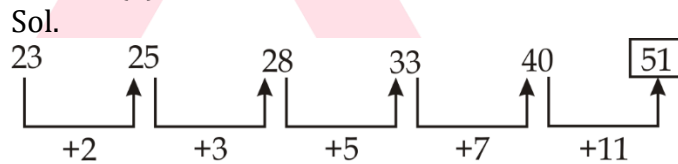
S7. Ans.(d)



Wrong Number = 18

Right number =  $8 \times 2 = 16$

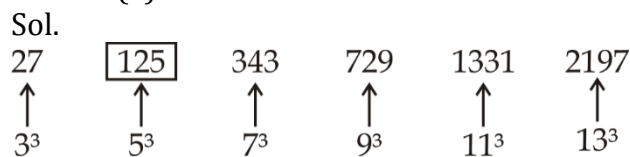
S8. Ans.(d)



Wrong Number = 49

Right number =  $40+11= 51$

S9. Ans.(a)

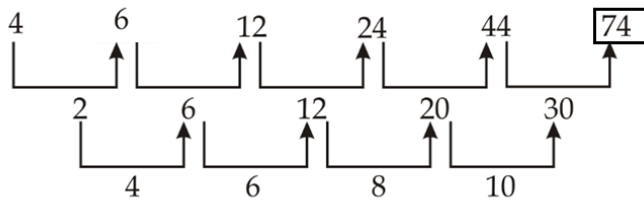


Wrong Number = 135

Right number = 125

S10. Ans.(a)

Sol.



Wrong Number = 76

Right number =  $44 + 30 = 74$

S11. Ans.(b)

Sol.

The series is  $4^3 + 4$ ,  $5^3 - 5$ ,  $6^3 + 6$ ,  $7^3 - 7$ ,  $8^3 + 8$ ,  $9^3 - 9$ , ...

i.e.

$$4^3 + 4 = 68,$$

$$5^3 - 5 = \mathbf{120},$$

$$6^3 + 6 = 222,$$

$$7^3 - 7 = 336,$$

$$8^3 + 8 = 520,$$

$$9^3 - 9 = 720.$$

Hence there should be 120 in place of **130**.

S12. Ans.(d)

Sol.

The series is  $\times 1.5 + 5$ ,  $\times 1.5 + 5$ , (repeated)

i.e.

$$56 \times 1.5 + 5 = 89,$$

$$89 \times 1.5 + 5 = \mathbf{138.5},$$

$$138.5 \times 1.5 + 5 = 212.75,$$

$$212.75 \times 1.5 + 5 = 324.125,$$

$$324.125 \times 1.5 + 5 = 491.1875,$$

Hence there should 138.5 in place of 136.5.

S13. Ans.(a)

Sol.

The series is  $+29$ ,  $+58$ ,  $+87$ ,  $+116$ ,  $+145$ , ...

i.e.

$$87 + 29 = 116,$$

$$116 + 58 = 174,$$

$$174 + 87 = 261,$$

$$261 + 116 = \mathbf{377},$$

$$377 + 145 = 522,$$

Hence there should be 377 in place of 397.

S14. Ans.(b)

The series is

$$26^2 - 6 = 670,$$

$$27^2 + 7 = 736,$$

$$28^2 - 8 = 776,$$

$$29^2 + 9 = 850,$$

$$30^2 - 10 = 890,$$

$$31^2 + 11 = 972, \dots$$

Hence these should be 776 in place of 792.

S15. Ans.(a)

Sol.

The series is

$$273 - 5^2 = \mathbf{248},$$

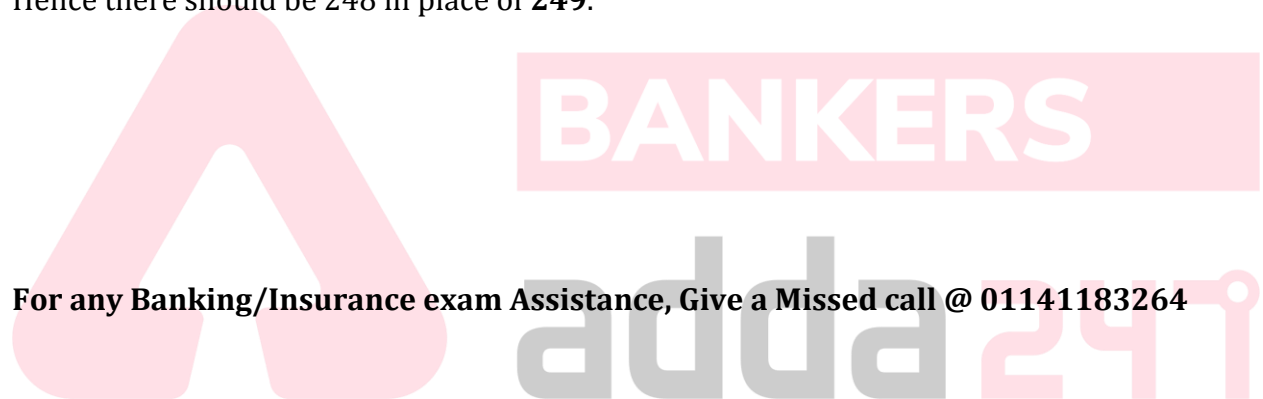
$$248 + 5^3 = 373,$$

$$373 - 6^2 = 337,$$

$$337 + 6^3 = 553,$$

$$553 - 7^2 = 504, \dots$$

Hence there should be 248 in place of **249**.



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