

Quiz Date: 10<sup>th</sup> September 2020

Directions (1-15): Find the missing term in following number series:

Q1. 3, 12, 48, 192, 768, ?

- (a) 3132
- (b) 3072
- (c) 3060
- (d) 3020
- (e) 3200

Q2. 1, 6, 13, 24, 41, ?

- (a) 77
- (b) 62
- (c) 66
- (d) 64
- (e) 81

Q3. 2, 5, 16, 65, 326, ?

- (a) 1957
- (b) 1987
- (c) 1972
- (d) 1886
- (e) 1786

Q4. 49, 81, 121, 169, 225, 289, ?

- (a) 361
- (b) 441
- (c) 324
- (d) 625
- (e) 525

Q5. 1, 1, 1.5, 3, 7.5, ?

- (a) 26.5
- (b) 24.5
- (c) 20.5
- (d) 22.5
- (e) 21.5

Q6. 123, 277, 459, 669, 907, ?

- (a) 1179
- (b) 1173
- (c) 1167
- (d) 1169
- (e) 1273

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Q7. 456.5, 407, 368.5, 341, 324.5, ?

- (a) 321
- (b) 319
- (c) 317
- (d) 323
- (e) 315

Q8. 23, 42.2, 80.6, 157.4, ?

- (a) 321
- (b) 319
- (c) 317
- (d) 323
- (e) 311

Q9. 36, 18, 27, 67.5, 236.25, ?

- (a) 1025.25
- (b) 1112.25
- (c) 1432.5
- (d) 1063.125
- (e) 106.125

Q10. 24, 536, 487, 703, 678, ?

- (a) 768
- (b) 748
- (c) 764
- (d) 742
- (e) 705

Q11. 28, 39, 63, 102, 158, (?)

- (a) 232
- (b) 242
- (c) 233
- (d) 244
- (e) 222

Q12. 7, 16, 141, 190, 919, (?)

- (a) 1029
- (b) 1019
- (c) 1020
- (d) 1030
- (e) 1040

Q13. 12, 17, 32, 57, 92, (?)

- (a) 198
- (b) 195
- (c) 137

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- (d) 205  
(e) 147

Q14. 586, 587, 882, 1766, 4417.5, ?

- (a) 15255.5  
(b) 11255.5  
(c) 13255.5  
(d) 1325.55  
(e) 13455.5

Q15. 64, 54, 69, 49, 74, 44, ?

- (a) 89  
(b) 69  
(c) 59  
(d) 99  
(e) 79

### Solutions

S1. Ans.(b)

Sol.

Series is  $\times 4, \times 4, \times 4, \times 4, \times 4, \dots$

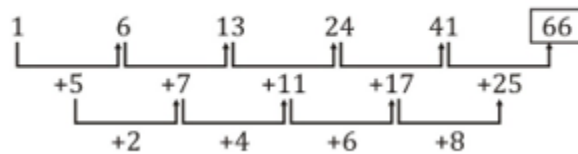
$$\therefore ? = 768 \times 4$$

$$= 3072$$

S2. Ans.(c)

Sol.

Series is



S3. Ans.(a)

Sol.

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

$$\therefore ? = 326 \times 6 + 1$$

$$= 1957$$

S4. Ans.(a)

Sol.

Series is  $7^2, 9^2, 11^2, 13^2, 15^2, 17^2, 19^2$

$$\therefore ? = 19^2$$

$$= 361$$

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S5. Ans.(d)

Sol.

Series is  $\times 1, \times 1.5, \times 2, \times 2.5, \times 3 \dots$

$$\therefore ? = 7.5 \times 3$$

$$= 22.5$$

S6. Ans.(b)

Sol. The series is +154,+182,+210,+238,+266.....

S7. Ans.(b)

Sol. The series is -49.5,-38.5, -27.5,-16.5,-5.5.....

S8. Ans.(e)

Sol. The series is +19.2,+38.4, +76.8,+153.6.....

S9. Ans.(d)

Sol. The series is  $\times .5, \times 1.5, \times 2.5, \times 3.5, \times 4.5 \dots$

S10. Ans.(d)

Sol.

The series is  $+8^3, -7^2, +6^3, -5^2, +4^3 \dots$

The number should be  $678 + 64 = 742$

S11. Ans.(c)

Sol.

The pattern of the number series is  $28 + 11 = 39$

$$39 + 24 (= 11 + 13) = 63$$

$$63 + 39 (= 24 + 15) = 102$$

$$102 + 56 (= 39 + 17) = 158$$

$$158 + 75 (= 56 + 19) = \mathbf{233}$$

S12. Ans.(e)

Sol.

The pattern of the number series is:

$$7 + 3^2 = 7 + 9 = 16$$

$$16 + 5^3 = 16 + 125 = 141$$

$$141 + 7^2 = 141 + 49 = 190$$

$$190 + 9^3 = 190 + 729 = 919$$

$$919 + 11^2 = 919 + 121 = \mathbf{1040}$$

S13. Ans.(c)

Sol.

The pattern of the number series is:

$$12 + 5 \times 1 = 17$$

$$17 + 5 \times 3 = 32$$

$$32 + 5 \times 5 = 57$$

$$57 + 5 \times 7 = 92$$

$$92 + 5 \times 9 = \mathbf{137}$$

S14. Ans.(c)

Sol.

The pattern of the number series is:

$$586 \times 1 + 1 = 587$$

$$587 \times 1.5 + 1.5 = 882$$

$$882 \times 2 + 2 = 1766$$

$$1766 \times 2.5 + 2.5 = 4417.5$$

$$4417.5 \times 3 + 3 = \mathbf{13255.5}$$

S15. Ans.(e)

Sol.

The pattern of the number series is:

$$64 - 10 = 54$$

$$54 + 15 = 69$$

$$69 - 20 = 49$$

$$49 + 25 = 74$$

$$74 - 30 = 44$$

$$44 + 35 = \mathbf{79}$$



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