

Quiz Date: 2<sup>nd</sup> July 2020

Directions (1-15): What will come in place of question mark (?) in the following no. series ?

Q1. 7, 20, 46, 98, 202, ?

- (a) 420
- (b) 410
- (c) 310
- (d) 320
- (e) 405

Q2. 210, 209, 213, 186, 202, ?

- (a) 138
- (b) 77
- (c) 177
- (d) 327
- (e) 187

Q3. 27, 38, 71, 126, 203, ?

- (a) 212
- (b) 202
- (c) 301
- (d) 312
- (e) 302

Q4. 435, 354, 282, 219, 165, ?

- (a) 103
- (b) 112
- (c) 120
- (d) 130
- (e) 140

Q5. 4, 200, 369, 513, 634, ?

- (a) 788
- (b) 715
- (c) 734
- (d) 755
- (e) 744

Q6. 14, 8, 9, 14.5, 30, ?

- (a) 60
- (b) 70
- (c) 75
- (d) 76
- (e) 80



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Q7. 16, 17, 13, 22, 6, ?

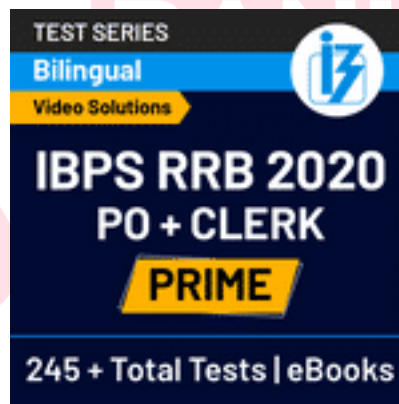
- (a) 2
- (b) 20
- (c) 10
- (d) 25
- (e) 31

Q8. 2, 3, 8, ?, 112, 565

- (a) 32
- (b) 25
- (c) 27
- (d) 40
- (e) 28

Q9. 75, 83, 67, 99, 35, ?

- (a) 100
- (b) 163
- (c) 50
- (d) 120
- (e) 166



Q10. 9, 9, 18, 54, 216, 1080, 6480, ?

- (a) 44100
- (b) 36360
- (c) 40909
- (d) 40180
- (e) 45360

Q11. 2, 7, 24.5, 85.75, ?

- (a) 272.245
- (b) 300.125
- (c) 265.725
- (d) 275
- (e) 278.25

Q12. 9, 20, 35, 59, 99, ?

- (a) 146
- (b) 175
- (c) 164
- (d) 154
- (e) 162

Q13. 7, 15, 61, 367, 2937, ?

- (a) 29571
- (b) 30231
- (c) 29374
- (d) 29371
- (e) 41253

Q14. 24, 12, 36, 18, 54, ?

- (a) 28
- (b) 27
- (c) 26
- (d) 32
- (e) 29

Q15. 4, 10, 33, 136, ?, 4116

- (a) 822
- (b) 534
- (c) 685
- (d) 745
- (e) 548



### Solutions

S1. Ans.(b)

Sol. The given series is

$$+(13 \times 1), +(13 \times 2), +(13 \times 4), +(13 \times 8)$$

$$\text{So, ?} = 202 + (13 \times 16) = 410$$

S2. Ans.(b)

Sol.

The given series is

$$(-1)^3, +(2)^2, (-3)^3, +(4)^2, (-5)^3$$

$$\text{So, ?} = 202 - 125 = 77$$

S3. Ans.(e)

Sol. The given series is

$$+(11 \times 1), +(11 \times 3), +(11 \times 5), +(11 \times 7), +(11 \times 9)$$

So next no. is 302

S4. Ans.(c)

Sol. The given series is

$$-(9 \times 9), -(9 \times 8), -(9 \times 7), -(9 \times 6), -(9 \times 5)$$

$$\text{So, ?} = 165 - 45 = 120$$

S5. Ans.(c)

Sol.

The given series is

$$+(14)^2, +(13)^2, +(12)^2, +(11)^2, +(10)^2$$

$$\text{So, ?} = 634 + 100 = 734$$

S6. Ans.(d)

$$\text{Sol. } \times 0.5 + 1, \times 1 + 1, \times 1.5 + 1, \times 2 + 1, \times 2.5 + 1$$

$$30 \times 2.5 + 1 = 76$$

S7. Ans.(e)

$$\text{Sol. } +1^2, -2^2, +3^2, -4^2, +5^2; 6+5^2=31$$

S8. Ans.(c)

$$\text{Sol. } \times 1 + 1, \times 2 + 2, \times 3 + 3, \times 4 + 4, \times 5 + 5; 8 \times 3 + 3 = 27$$

S9. Ans.(b)

$$\text{Sol. Series is } +8, -16, +32, -64, +128; 35+128=163$$

S10. Ans.(e)

Sol.

The series is

$$9 \times 1 = 9$$

$$9 \times 2 = 18$$

$$18 \times 3 = 54$$

$$54 \times 4 = 216$$

$$216 \times 5 = 1080$$

$$1080 \times 6 = 6480$$

$$6480 \times 7 = 45360$$

S11. Ans.(b)

Sol.

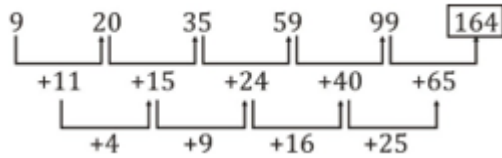
Pattern is  $\times 3.5, \times 3.5, \times 3.5, \times 3.5$

$$\therefore ? = 85.75 \times 3.5 = 300.125$$

S12. Ans.(c)

Sol.

Series is



S13. Ans.(d)

Sol.

Pattern is  $\times 2+1, \times 4+1, \times 6+1, \times 8+1, \times 10+1, \dots$

$$\therefore ? = 2937 \times 10 + 1 = 29371$$

S14. Ans.(b)

Sol.

$\div 2, \times 3, \div 2, \times 3, \div 2, \times 3$

$$\therefore ? = 54 \div 2 = 27$$

S15. Ans.(c)

Sol.

The pattern is as given below:

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

$$10 \times 3 + 3 = 33$$

$$33 \times 4 + 4 = 136$$

$$136 \times 5 + 5 = 680 + 5 = 685$$

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