

Quiz Date: 8<sup>th</sup> May 2020

Directions (1-15): What will come in place of question mark in the following number series?

Q1. 495, 485, 465, 425, 345, ?

- (a) 195
- (b) 165
- (c) 185
- (d) 175
- (e) 285

Q2. 16, 22, 33, 49, 70, ?

- (a) 95
- (b) 96
- (c) 85
- (d) 91
- (e) 106

Q3. 32, 36, 52, 88, 152, ?

- (a) 266
- (b) 252
- (c) 422
- (d) 256
- (e) 225

Q4. 13, 27, 55, 97, 153, ?

- (a) 243
- (b) 265
- (c) 215
- (d) 223
- (e) 232

Q5. 3, 4, 10, 33, 136, ?

- (a) 903
- (b) 822
- (c) 685
- (d) 548
- (e) 658

Q6. 888, 444, 222, 111, 55.5, ?

- (a) 27.75
- (b) 27.25
- (c) 28.25
- (d) 26.75
- (e) 29.75

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Q7. 95, 103, 96, 104, ?

- (a) 102
- (b) 98
- (c) 100
- (d) 97
- (e) 95

Q8. 1, 2.5, 9.5, 60, ?, 17381

- (a) 704
- (b) 724
- (c) 720
- (d) 745
- (e) 840



Q9. 2, 10, 26, 58, 122, ?

- (a) 240
- (b) 232
- (c) 250
- (d) 254
- (e) 245

Q10. 13, 42, 73, 108, 151, 210, ?

- (a) 295
- (b) 310
- (c) 305
- (d) 301
- (e) 304

Q11. 3, 5, 19, 101, 715, ?

- (a) 6445
- (b) 6645
- (c) 6544
- (d) 6050
- (e) 6500

Q12. 131, 144, 170, 209, 261, ?

- (a) 320
- (b) 326
- (c) 330
- (d) 345
- (e) 350

Q13. 380, 465, 557, 656, 762, ?, 995

- (a) 855
- (b) 915
- (c) 875
- (d) 895
- (e) 890

Q14. 12, 12, 18, 45, 180, 1080, ?

- (a) 9285
- (b) 9530
- (c) 9170
- (d) 9180
- (e) 9810

Q15. ?, 61, 211, 505, 991, 1717

- (a) 6
- (b) 5
- (c) 8
- (d) 7
- (e) 9



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**Solutions**

S1. Ans.(c)

Sol.

Pattern is - 10, -20, -40, -80, -160

$$\begin{aligned}\therefore ? &= 345 - 160 \\ &= 185\end{aligned}$$

S2. Ans.(b)

Sol.

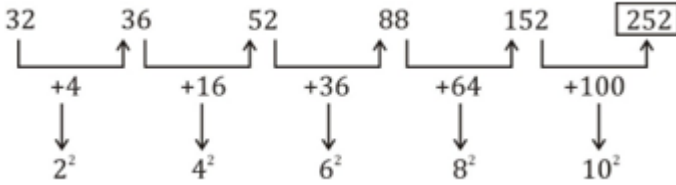
Pattern is +6, +11, +16, +21, +26

$$\begin{aligned}\therefore ? &= 70 + 26 \\ &= 96\end{aligned}$$

S3. Ans.(b)

Sol.

Series is



S4. Ans.(d)

Sol.

Pattern is  $+14 \times 1, +14 \times 2, +14 \times 3,$   
 $+14 \times 4, +14 \times 5$   
 $\therefore ? = 153 + 70$   
 $= 223$

S5. Ans.(c)

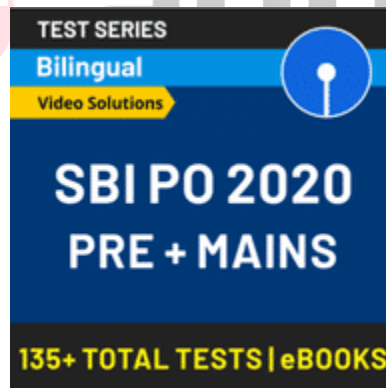
Sol. Pattern is  $\times 1+1, \times 2+2, \times 3+3, \times 4+4, \times 5+5$ 

$\therefore ? = 136 \times 5 + 5$   
 $= 685$

S6. Ans.(a)

Sol.

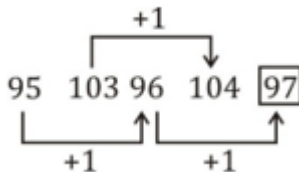
Pattern is  $\div 2, \div 2, \div 2, \div 2, \div 2$   
 $\therefore ? = 55.5 \div 2$   
 $= 27.75$



S7. Ans.(d)

Sol.

Series is



S8. Ans.(b)

Sol.

Series is  $\times 1.5+1, \times 3+2, \times 6+3, \times 12+4 \dots$

$$\therefore ? = 60 \times 12 + 4 = 724$$

S9. Ans.(c)

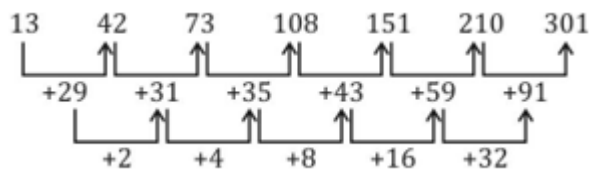
Sol.

Series is  $+8, +16, +32, +64, +128 \dots$

$$\therefore ? = 122 + 128 = 250$$

S10. Ans.(d)

Sol.



S11. Ans.(a)

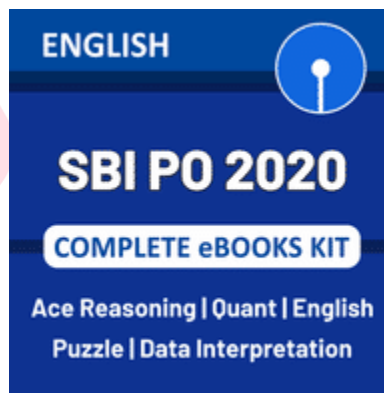
Sol.

Series is  $\times 1+2, \times 3+4, \times 5+6, \times 7+8, \times 9+10 \dots$

$$\therefore ? = 715 \times 9 + 10$$

$$= 6445$$

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S12. Ans.(b)

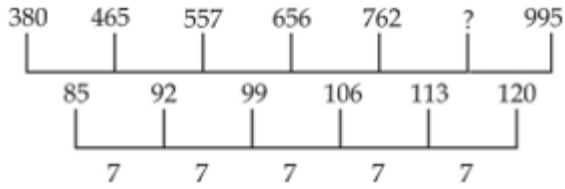
Sol.

Series is  $+13, +26, +39, +52, +65 \dots$

$$\therefore ? = 261 + 65 = 326$$

S13. Ans.(c)

Sol.



So,  $? = 762 + 113 = 875$

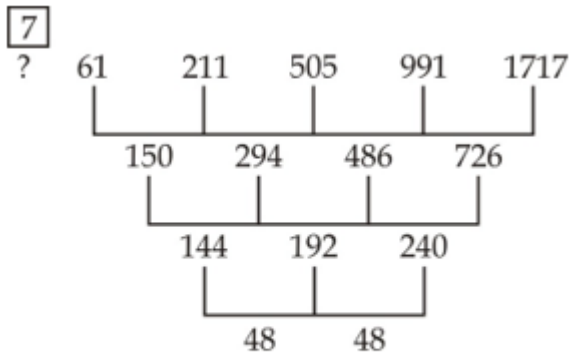
S14. Ans.(d)

Sol.  $\times 1, \times 1.5, \times 2.5, \times 4, \dots$

so,  $? = 1080 \times 8.5 = 9180$

S15. Ans.(d)

Sol.



so,  $61 = ? + (150 - 96)$

or,  $? = 7$



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