

Quiz Date: 11th May 2020

Directions (1-15): In the following series questions there is a term which does not follow the usual pattern. Find that term as your answer.

Q1. 2, 5, 14, 41, 125, 365

- (a) 5
- (b) 14
- (c) 41
- (d) 125
- (e) 365

Q2. 1, 3, 8, 19, 42, 91

- (a) 42
- (b) 91
- (c) 19
- (d) 8
- (e) 3

Q3. 23, 30, 21, 32, 19, 35

- (a) 23
- (b) 30
- (c) 35
- (d) 19
- (e) 32

Q4. 10, 17, 26, 37, 50, 64, 82

- (a) 17
- (b) 37
- (c) 50
- (d) 82
- (e) 64

Q5. 16, 4, 8, 2, 6, 1

- (a) 6
- (b) 4
- (c) 8
- (d) 2
- (e) 16

Q6. 11, 75, 291, 803, 1813, 3531

- (a) 803
- (b) 1813
- (c) 3531
- (d) 75
- (e) 291



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Q7. 3.6, 10, 22.8, 48.4, 99.8, 202

- (a) 22.8
- (b) 48.4
- (c) 99.8
- (d) 202
- (e) 10



Q8. 3, 4, 10, 33, 136, 685, 4216

- (a) 33
- (b) 136
- (c) 685
- (d) 4216
- (e) 10

Q9. 1020, 1152, 1292, 1440, 1592, 1760

- (a) 1152
- (b) 1760
- (c) 1440
- (d) 1592
- (e) 1292

Q10. 4.8, 2.4, 3.6, 12.6, 82.9, 859.95

- (a) 859.95
- (b) 2.4
- (c) 3.6
- (d) 12.6
- (e) 82.9

Q11. 2, 11, 22, 37, 57, 87

- (a) 87
- (b) 11
- (c) 57
- (d) 37
- (e) 22

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Q12. 1, 2.4, 5.76, 14.824, 33.1776

- (a) 2.4
- (b) 14.824
- (c) 33.1776
- (d) 1
- (e) 5.76

Q13. 4, 11, 20, 33, 52, 77

- (a) 77
- (b) 11
- (c) 20
- (d) 33
- (e) 52

Q14. 8, 4, 10, 5, 13.5, 6.25

- (a) 4
- (b) 13.5
- (c) 10
- (d) 5
- (e) 6.25

Q15. 256, 400, 576, 788, 1024

- (a) 400
- (b) 576
- (c) 788
- (d) 1024
- (e) 1156



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Solutions

S1. Ans. (d)

Sol.

Series is $\times 3 - 1, \times 3 - 1, \times 3 - 1, \dots$

\therefore Wrong term = 125

S2. Ans. (b)

Sol.

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

\therefore Wrong term = $42 \times 2 + 5 = 89 \neq$ 91

S3. Ans. (c)

Sol.

Series is 7, - 9, + 11, - 13, + 15

\therefore Wrong term = 35

S4. Ans. (e)

Sol.

Series is $3^2 + 1 = 10$

$4^2 + 1 = 17$

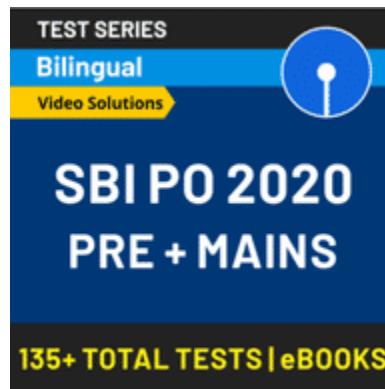
$5^2 + 1 = 26$

$6^2 + 1 = 37$

$7^2 + 1 = 50$

$8^2 + 1 = \boxed{65}$

$9^2 + 1 = 82$

 \therefore Wrong term = 64

S5. Ans. (a)

Sol.

Series is $\div 4, \times 2, \div 4, \times 2, \dots$ \therefore Wrong term = 6

S6. Ans.(b)

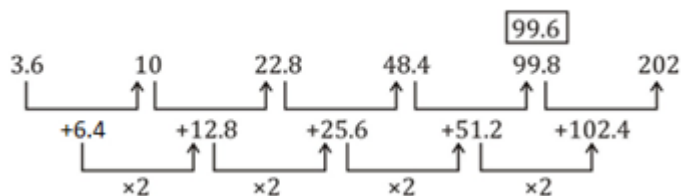
Sol.

The pattern is $+4^3, +6^3, +8^3, +10^3, +12^3, \dots$ \therefore Wrong term = $1813 \neq 803 + 1000 = 1803$

S7. Ans.(c)

Sol.

Series is



S8. Ans.(d)

Sol.

Pattern is

$$\times 1+1, \times 2+2, \times 3+3, \times 4+4, \times 5+5, \times 6+6$$

$$\therefore \text{Wrong term} = 4216 \neq 685 \times 6 + 6 = 4116$$

S9. Ans.(d)

Sol.

$$\text{Series is } 32^2 - 4 = 1024 - 4 = 1020$$

$$34^2 - 4 = 1156 - 4 = 1152$$

$$36^2 - 4 = 1296 - 4 = 1292$$

$$38^2 - 4 = 1444 - 4 = 1440$$

$$40^2 - 4 = 1600 - 4 = 1596$$

$$42^2 - 4 = 1764 - 4 = 1760$$

S10. Ans.(e)

Sol.

$$\text{Pattern is } \times 0.5, \times 1.5, \times 3.5, \times 6.5, \times 10.5$$

$$\therefore \text{Wrong term} = 82.9 \neq 12.6 \times 6.5 = 81.9$$

S11. Ans.(c)

Sol.

Pattern is

$$+9, +11, +15, +21, +29$$

$$\therefore \text{wrong term} = 37 + 21 = 58 \neq 57$$

S12. Ans.(b)

Sol.

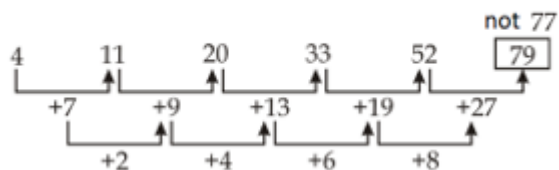
$$\text{Pattern is } \times 2.4, \times 2.4, \times 2.4, \times 2.4$$

$$\therefore \text{wrong term} = 14.824 \neq 5.76 \times 2.4 = 13.824$$

S13. Ans.(a)

Sol.

Series is



S14. Ans.(b)

Sol.

Pattern is $\div 2, \times 2.5, \div 2, \times 2.5, \div 2, \dots$

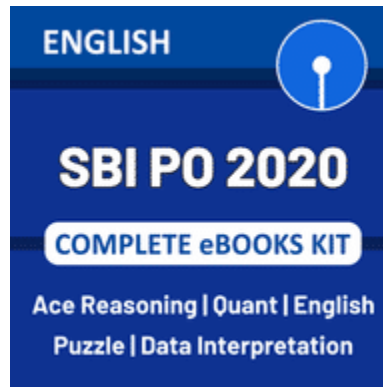
\therefore wrong term = $13.5 \neq 5 \times 2.5 = 12.5$

S15. Ans.(c)

Sol.

Series is $16^2, 20^2, 24^2, 28^2, 32^2, \dots$

\therefore wrong term = $788 \neq 28^2$



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