

Quiz Date: 9th March 2020

Directions (1-9): What will come in the place of the question mark (?) in the following number series?

Q1. 7, 16, 21, 70, 79, ?

- (a) 200
- (b) 121
- (c) 198
- (d) 90
- (e) 151

Q2. 10395, 6930, 2772, 792, 176, ?

- (a) 64
- (b) 16
- (c) 32
- (d) 8
- (e) 128

Q3. 7, 17, 38, 81, 168, ?

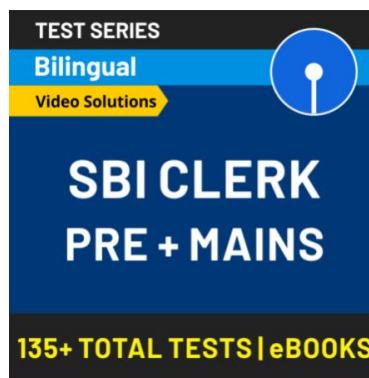
- (a) 336
- (b) 343
- (c) 340
- (d) 320
- (e) 341

Q4. 21, 32, 17, 38, 13, 44, ?

- (a) 7
- (b) 11
- (c) 10
- (d) 13
- (e) 9

Q5. 35, ?, 105, 160, 231, 320

- (a) 63
- (b) 64



- (c) 55
- (d) 58
- (e) 75

Q6. 9, 17, 65, 385, 3073, ?

- (a) 30621
- (b) 30721
- (c) 30521
- (d) 30821
- (e) 30730

Q7. 18, 96, 161, 213, 252, ?

- (a) 278
- (b) 268
- (c) 258
- (d) 288
- (e) 272

Q8. 947, 947, 922, 1022, 797, 1197, ?

- (a) 472
- (b) 702
- (c) 604
- (d) 572
- (e) 482

Q9. 39, 160, 241, 290, ?, 324, 325

- (a) 305
- (b) 302
- (c) 304
- (d) 315
- (e) 310

Directions (10-15): What approximate value should come in place of question mark (?) in the following questions?

Q10. $\frac{\left(\frac{12 \times 50}{99.98}\right)}{53.79} \times 100 = \frac{5.88}{54} \times 100.01 \times ?$

- (a) 3
- (b) 6
- (c) 4
- (d) 1
- (e) 5

Q11. $49 \times \frac{10}{6} \times \frac{100}{7} \times \frac{5}{35} \times \frac{7}{100} = 5 \times ?$

- (a) 2
- (b) 4

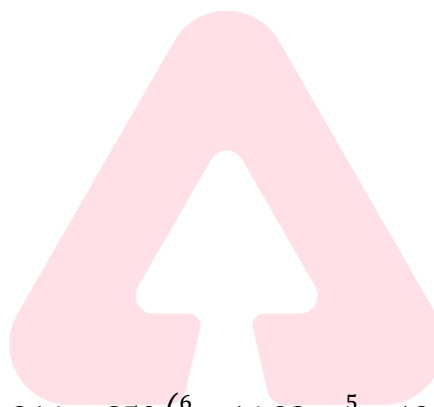
- (c) 1
- (d) 5
- (e) 6

Q12. $(25.91 + 16.12)\%$ of 5399 – $(29.76 + 11.95)\%$ of 2401 = ?

- (a) 1240
- (b) 1200
- (c) 1250
- (d) 1280
- (e) 1260

Q13. $(1903.76 + 2040) - \frac{?}{100} \times 66299 = 2618.11$

- (a) 5
- (b) 2
- (c) 4
- (d) 6
- (e) 1



Q14. $850 \left(\frac{6}{5} \times 14.92 + \frac{5}{4} \times 19.98 \right) = ?$

- (a) 27400
- (b) 32400
- (c) 36550
- (d) 42300
- (e) 45300

Q15. 9.98% of 5707.97 \times 24.89% of 120 – 20.08% of 1699.99 \times 44.899 = ?

- (a) 1830
- (b) 1560
- (c) 1710
- (d) 1430
- (e) 1980

Solutions

S1. Ans.(a)

Sol.

Series is —

$$+3^2, +5, +7^2, +9, +11^2$$

$$\Rightarrow ? = 79 + 121 = 200$$

S2. Ans.(c)

Sol.

$$\times \frac{2}{3}, \times \frac{2}{5}, \times \frac{2}{7}, \times \frac{2}{9}, \times \frac{2}{11}$$

$$\Rightarrow ? = 176 \times \frac{2}{11} = 32$$

S3. Ans.(b)

Sol.

Series is —

$$\times 2+3, \times 2+4, \times 2+5, \dots$$

$$\Rightarrow ? = 168 \times 2 + 7 = 343$$

S4. Ans.(e)

Sol.

$$+11, -15, +21, -25, +31, -35$$

$$\Rightarrow ? = 44 - 35 = 9$$

S5. Ans.(b)

Sol.

Series is —

$$+(5^2+4), +(6^2+5), +(7^2+6), \dots$$

$$\Rightarrow ? = 35 + (5^2 + 4) = 64$$

S6. Ans.(b)

Sol.

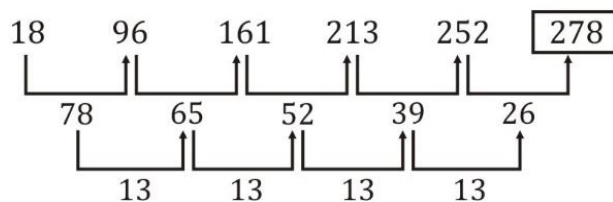
$$\times 2 - 1, \times 4 - 3, \times 6 - 5, \times 8 - 7, \times 10 - 9 \dots$$

$$3073 \times 10 - 9 = 30730 - 9$$

$$= 30721$$

S7. Ans.(a)

Sol.



S8. Ans.(d)

Sol.

$$+(0)^2, -5^2, +10^2, -15^2, +20^2, -25^2, \dots$$

$$1197 - 25^2 = 1197 - 625 \\ = 572$$

S9. Ans.(d)

Sol.

$$+11^2, +9^2, +7^2, +5^2, +3^2, \dots \\ 290 + 5^2 = 290 + 25 = 315$$

S10. Ans.(d)

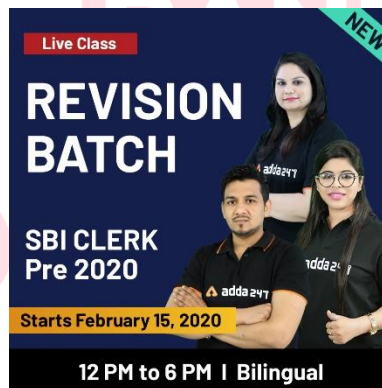
Sol.

$$\frac{\left(\frac{12 \times 50}{100}\right)}{54} \times 100 \approx \frac{6}{54} \times 100 \times ? \\ ? \approx 1$$

S11. Ans.(a)

Sol.

$$49 \times \frac{10}{6} \times \frac{100}{7} \times \frac{5}{35} \times \frac{7}{100} = 5 \times ? \\ \frac{70}{6} = 5 \times ? \\ ? = \frac{7}{3} \approx 2$$



S12. Ans.(e)

Sol.

$$(26 + 16) \times \frac{5400}{100} - (30 + 12) \times \frac{2400}{100} = ? \\ ? = 42 \times 54 - 42 \times 24 = 1260$$

S13. Ans.(b)

Sol.

$$\Rightarrow 1904 + 2040 - ? \times 663 = 2618 \\ 3944 - ? \times 663 = 2618 \\ ? = 2$$

S14. Ans.(c)

Sol.

$$\Rightarrow 850 \left(\frac{6}{5} \times 15 + \frac{5}{4} \times 20 \right) \approx ?$$

850 (18+ 25) ≈ ?
? ≈ 36550

S15. Ans.(a)

Sol.

$$\begin{aligned} ? &\approx \frac{10}{100} \times 5710 \times \frac{25}{100} \times 120 - \frac{20}{100} \times 1700 \times 45 \\ &\approx 17130 - 15300 \\ &\approx 1830 \end{aligned}$$

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