

Quiz Date: 30th July 2020

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

Q1. 2.5, 6, 10.5, 16, 22.5, ?

- (a) 30.5
- (b) 30
- (c) 31
- (d) 31.5
- (e) 29.5

Q2. 1, 3, 9, 23, 53, ?

- (a) 117
- (b) 113
- (c) 115
- (d) 119
- (e) 111

Q3. 15625, ? , 625, 125, 25, 5

- (a) 3125
- (b) 3215
- (c) 3025
- (d) 3225
- (e) 3015

Q4. 11, 9, 17.5, 13.5, 24, 18, ?

- (a) 30
- (b) 31.5
- (c) 32
- (d) 30.5
- (e) 32.5

Q5. 676, 1019, 803, 928, 864, 891, ?

- (a) 899
- (b) 883
- (c) 918
- (d) 910
- (e) 793

Q6. 113, 130, 164, 215, ?, 368

- (a) 293
- (b) 273
- (c) 283
- (d) 327
- (e) None of these



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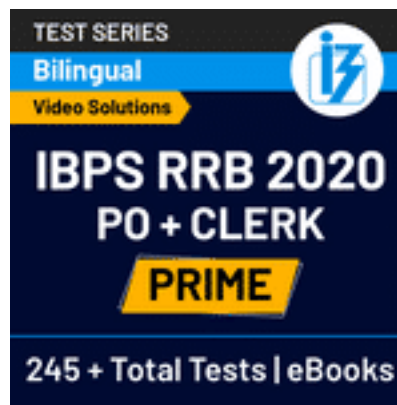
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Q7. 36, 54, 135, ?, 2126.25, 11694.375

- (a) 472.5
- (b) 427.5
- (c) 572.5
- (d) 562.5
- (e) None of these

Q8. 112, 259, 392, 511, 616, ?

- (a) 701
- (b) 707
- (c) 711
- (d) 715
- (e) None of these



Q9. 4, 6, 12, ?, 90, 315, 1260

- (a) 42
- (b) 36
- (c) 24
- (d) 30
- (e) None of these

Q10. 6, 7, 16, 51, 208, ?, 6276

- (a) 1045
- (b) 941
- (c) 836
- (d) 1254
- (e) None of these

Q11. 5, 54, 397, 2798, ?, 137254

- (a) 20605
- (b) 19910
- (c) 19605
- (d) 18620
- (e) 20520

Q12. 625, 620, 613, 602, 589, 572, ?

- (a) 541
- (b) 537
- (c) 531
- (d) 521
- (e) 553

Q13. 3, 6, 24, 144, ?, 11520

- (a) 1158
- (b) 1252
- (c) 1125
- (d) 1152
- (e) 1212

Q14. 375000, 15000, 750, 50, 5, ?

- (a) 1
- (b) 2
- (c) 4
- (d) 5
- (e) 3

Q15. 1, 11, 81, 411, 1241, ?

- (a) 1236
- (b) 1251
- (c) 1273
- (d) 1237
- (e) 1233

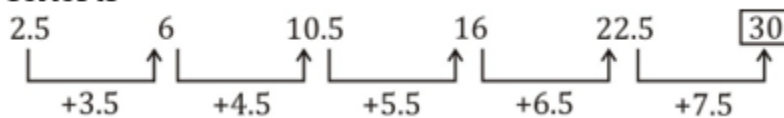
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Solutions

S1. Ans.(b)

Series is



Sol.

S2. Ans.(c)

Sol. Pattern is $\times 2+1, \times 2+3, \times 2+5, \times 2+7, \times 2+9, \dots$

$$\therefore ? = 53 \times 2 + 9$$

$$= 115$$

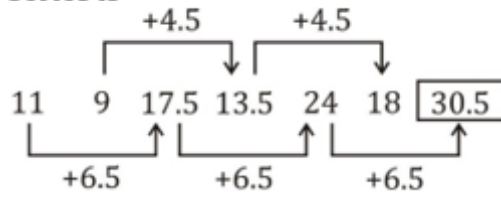
S3. Ans.(a)

Sol. Pattern is $\div 5, \div 5, \div 5, \div 5, \dots$

$$\therefore ? = 15625 \div 5 = 3125$$

S4. Ans.(d)

Series is



Sol.

S5. Ans.(b)

Sol. Pattern is +343, -216, +125, -64, +27, -8

∴ ? = 891 - 8 = 883



S6. Ans.(c)

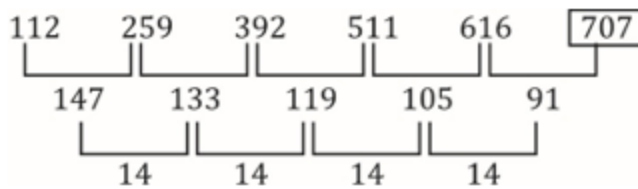
Sol. +17, +34, +51, +68, +85....

S7. Ans.(a)

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

Sol.

S8. Ans.(b)



Sol.

S9. Ans.(d)

Sol.

×1.5, ×2, ×2.5, ×3 ...

S10. Ans.(a)

Sol.

×1+1, ×2+2, ×3+3, ×4+4, ...

S11. Ans.(c)

Series is $+7^2, +7^3, +7^4, +7^5, +7^6, \dots$

$$\therefore 2798 + 7^5$$

$$= 19605$$

Sol.

S12. Ans.(e)

Sol.

Series is $-5, -7, -11, -13, -17, -19, -23$ (prime numbers)

$$\therefore ? = 572 - 19$$

$$= 553$$

S13. Ans.(d)

Sol.

Series is $\times 2, \times 4, \times 6, \times 8, \times 10, \times 12, \dots$

$$\therefore ? = 144 \times 8$$

$$= 1152$$

S14. Ans.(a)

Sol.

Series is $\div 25, \div 20, \div 15, \div 10, \div 5$

$$\therefore ? = 5 \div 5$$

$$= 1$$

S15. Ans.(b)

Sol.

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

$$\therefore ? = 1241 \times 1 + 10$$

$$= 1251$$

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