



Quantitative Aptitude

Memory Based Questions

**IBPS RRB OFFICER
SCALE-I 2020**

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Quant Question Asked In IBPS RRB Scale-1 : 12-Sep-2020

Question 1

Direction: What should come in place of the question mark '?' in the following number series?

20, 12, 14, 23, 48, ?

A.98

B.122

C.116

D.74

Solution:

Answer : Option B

$\times 0.5+2, \times 1+2, \times 1.5+2, \times 2+2, \times 2.5+2$

20, 12, 14, 23, 48, 122

Question 2

Direction: What should come in place of the question mark '?' in the following number series?

19, 20, 42, 129, ?, 2605

A. 484

B.585

C.520

D.546

Solution:

Answer : Option C

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

19, 20, 42, 129, 520, 2605

Question 3

Direction: What should come in place of the question mark '?' in the following number series?

3.5 2.5 3 6 20 ?

A.84

B.95

C.103

D.116

Solution:

Answer : Option B

$3.5 \times 1 - 1 = 2.5$

$2.5 \times 2 - 2 = 3$

$3 \times 3 - 3 = 6$

$6 \times 4 - 4 = 20$

$20 \times 5 - 5 = 95$

Question 4

Direction: What should come in place of the question mark '?' in the following number series?

1.5, 3, 12, 72, ?

A. 488

B.630

C.576

D.648

Solution:

Answer : Option C

$\times 2, \times 4, \times 6, \times 8$

1.5 3 12 72. 576

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Question 5

Direction: What should come in place of the question mark '?' in the following number series?

150, 148, 143, 133, 116, ?

A.95

B.96

C.92

D.90

Solution:

Answer : Option D

150. 148. 143. 133. 116. 90

2. 5. 10. 17. 26

3. 5. 7. 9

Question 6

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

I. $X^2 - 11X + 30 = 0$

II. $Y^2 + 12Y + 36 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

Solution:

Answer : Option B

Direct from Sign conversion

$X = +6, +5$

$Y = -6, -6$



Question 7

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

I. $X^2 + 13X + 40 = 0$

II. $Y^2 + 7Y + 10 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

Solution:

Answer : Option C

$X = -8, -5$

$Y = -5, -2$

Question 8

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

I. $X^2 - X - 12 = 0$

II. $Y^2 + 5Y + 6 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

Solution:

Answer : Option E

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$$X = +4, -3$$

$$Y = -3, -2$$

Question 9

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

$$X^3 = 64$$

$$Y^2 = 16$$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

Solution:

Answer : Option D

$$X = +4$$

$$Y = +4, -4$$

Question 10

Direction: In the following question two equations are given in variables X and Y. You have to solve these equations and determine the relation between X and Y.

I. $X^2 + 9X + 20 = 0$

II. $8Y^2 - 15Y + 7 = 0$

A. $Y > X$

B. $X > Y$

C. $X \leq Y$

D. $X \geq Y$

Solution:

Answer : Option A

$$X = -4, -5$$

$$Y = +8/8, +7/8$$

