

IBPS PO Prelims 2020 Memory-based Paper(12th October) **DOWNLOAD PDF**



Quant Section

Direction (1-4): What approximate value should come in place of the question mark(?) in the following questions?

1. $3.07 \times 14.96 + (15.02)^2 - (11.03)^2 = ?$
 A. 124 B. 132
 C. 149 D. 156
 E. 189

2. $111.01 - 211.09 + (12.01)^2 = x - (4.09)^2$
 A. 48 B. 55
 C. 70 D. 60
 E. 85

3. $14.03 + (28.02)^2 \div 6.98 + (3.96)^2 = ?$
 A. 142 B. 156
 C. 182 D. 166
 E. 124

4. $(1 \div 7.01 + 1 \div 13.99 + 1 \div 27.99) \times 100.09 = ?$
 A. 14 B. 25
 C. 30 D. 35
 E. 42

Direction (5-7): In the following question two equations are given in variables X and Y. You have to solve these equations and determine relation between X and Y.

5.
 I. $X^2 - 5X - 84 = 0$
 II. $Y^2 - 4Y - 60 = 0$
 A. $X > Y$ B. $Y > X$
 C. $X \geq Y$ D. $X \leq Y$
 E. $X = Y$ or No relation can be established

6.
 I. $X^2 = 81$
 II. $(Y + 9)^2 = 0$
 A. $X > Y$
 B. $Y > X$
 C. $X \geq Y$
 D. $X \leq Y$
 E. $X = Y$ or No relation can be established

7.
 I. $X^2 - 18X - 63 = 0$
 II. $Y^2 - 8Y - 48 = 0$
 A. $X > Y$ B. $Y > X$
 C. $X \geq Y$ D. $X \leq Y$
 E. $X = Y$ or No relation can be established

8. In a milk and water solution, the ratio of milk and water is 3 : 1. If 20 litres of mixture is taken out and 9 litres milk is added to the mixture then the percentage water in the mixture becomes $14\frac{2}{7}\%$. What is the total volume of the initial mixture?
 A. 32 litres B. 48 litres
 C. 36 litres D. 24 litres
 E. 30 litres

9. Two persons A and B start a business with investments of Rs. 6000 and Rs. 9000 respectively and they invest for the durations in the ratio 5:3. If the total profit is Rs. 4370, then what is the share of A in the profit?
 A. Rs. 3400 B. Rs. 2300
 C. Rs. 2700 D. Rs. 1800
 E. Rs. 2070

Direction (10-12): In the following question two equations are given in variables X and Y. You have to solve these equations and determine relation between X and Y.

10.
 I. $4X^2 + 5X + 1 = 0$
 II. $2Y^2 + 5Y + 3 = 0$
 A. $X > Y$ B. $Y > X$
 C. $X \geq Y$ D. $X \leq Y$
 E. $X = Y$ or No relation can be established

11.
 I. $(X - 8)^2 = 0$
 II. $Y^2 - 18Y + 81 = 0$
 A. $X > Y$ B. $Y > X$
 C. $X \geq Y$ D. $X \leq Y$
 E. $X = Y$ or No relation can be established



12.
 I. $X^2 + 7X + 10 = 0$
 II. $Y^2 - 2Y - 8 = 0$
 A. $X > Y$ B. $Y > X$
 C. $X \geq Y$ D. $X \leq Y$
 E. $X = Y$ or No relation can be established

Direction (13-14): What will come in place of the question mark (?) in the following number series?

13. 12, 129, 233, 324, ?, 467
 A. 378 B. 418
 C. 386 D. 426
 E. 402

14. 0.75, ?, 3, 6, 12, 24
 A. 2 B. 2.6
 C. 1 D. 1.5
 E. 3

15. Raj give 60% of his monthly salary to his wife and the remaining he invested in mutual fund. Out of the money his wife got, she spent 20% on groceries, 30% on rent and remaining amount of Rs. 18,000 she spent on buying gold. What is Raj's monthly salary?
 A. Rs. 50,000 B. Rs. 76,000
 C. Rs. 40,000 D. Rs. 60,000
 E. Rs. 80,000

Directions (16-18): Study the following information carefully and answer the given questions.

In the table, the details of total number students and students in class 10 is given.

School	Total number of students (Male + Female)	Number of students (Male + Female) in class 10	Number of females in Class 10
A	250	48	12
B	480	64	10
C	360	80	25

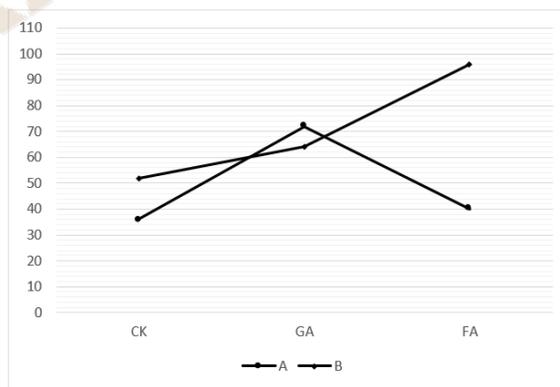
16. In school C, the number of female students in classes other than 10 is 101. What percent of student in school C are female?
 A. 30% B. 46%
 C. 26% D. 40%
 E. 35%

17. What is the difference between number of male students in class 10 of school A and that of school B?
 A. 12 B. 18
 C. 11 D. 16
 E. 5

18. What is the respective ratio between the number of students (male + female) in class 10 of school C and total number of students (male + female) in all class together of school B?
 A. 1 : 8 B. 1 : 9
 C. 1 : 4 D. 1 : 6
 E. 1 : 16

Directions (19-20): Study the following information carefully and answer the given questions.

In the line graph, the number of questions viewed by two students A and B in an online test is given.



Total number of questions in each subject = 150



19. What was the total number of questions not viewed by candidate B in all 3 subjects together?
- A. 248
 - B. 252
 - C. 242
 - D. 238
 - E. 236

20. What was the difference between the number of questions viewed by candidate B in subject CK and the number of questions viewed by candidate B in subject FA?
- A. 54
 - B. 36
 - C. 52
 - D. 44
 - E. 42

English Section

1. Several new business (1)/ have come up recently due to (2)/ the various schemes (3)/ introduced by the government. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

2. If there is something you want (1)/ to accomplish then simply make (2)/ a decision and do it rather than (2)/ waiting for the right time. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

3. Experts suggest that (1)/ making work rewarding (2)/ may mean rethinking the way (3)/ company are led. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

4. Psychologists has done a (1)/ considerable amount of research (2)/ to assess the effectiveness of various strategies (3)/ for behaviour modification. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

5. We all have the ability to focus (1)/ and concentrate, but only if we (2)/ decide what is important to us (3)/ and we want to accomplishing. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

6. Just around two decades ago, (1)/ few imagine that the robust data, (2)/ messaging, voice and video connections (3)/ could be established with such ease. (4)

- A. A
- B. B
- C. C
- D. D
- E. No error

Direction (7-12): In the following passage, there are blanks each of which has been numbered. These numbers correspond to the question numbers. Against each question, five words have been suggested, one of which would fill the blank appropriately. Mark the suitable word as the answer.

The two words 'growth' and 'development' are often used **(Q7)** in economic discussion. From the time, 'development economics' **(Q8)** as a distinct field of study after the World War II, it did not differ from growth economics. But, technically speaking, they are not the same.



To a layman, these two terms **(Q9)** to be synonymous. However, in the 1950s and 1960s, economists drew a line of demarcation between economic growth and economic development. Economic development is a broader **(Q10)** than economic growth. Development is taken to mean only quantitative expansion of an economy. Economic growth is, thus, quantitative while economic development is **(Q11)**. Experts suggest that growth involves focusing on height or weight while development focuses on the change in functional capacity.

Economic growth is defined in positive terms. It is **(Q12)** by the sustained increase in real, national or per capita income of a nation over time.

- 7.
- | | |
|--------------------|--------------------|
| A. Traumatically | B. Sensitively |
| C. Widening | D. Understandingly |
| E. Interchangeably | |

- 8.
- | | |
|---------------|--------------|
| A. Emerged | B. Appearing |
| C. Introduced | D. Ongoing |
| E. Develop | |

- 9.
- | | |
|--------------|-----------|
| A. Appear | B. Seems |
| C. Literally | D. Assume |
| E. Knows | |

- 10.
- | | |
|---------------|-------------|
| A. Terms | B. Theories |
| C. Understand | D. Working |
| E. Concept | |

- 11.
- | | |
|-----------------|---------------|
| A. Qualitative | B. Guides |
| C. Quantitative | D. Derogating |
| E. promotional | |

- 12.
- | | |
|-------------|--------------|
| A. Obtain | B. Enter |
| C. Demanded | D. Calculate |
| E. Measured | |

Reasoning Section

1. How many such pairs of letters are there in the word **'BRISKLY'** each of which has as many letters between them in the word as in the English alphabet (both forward and backward)?

- | | |
|--------------------|---------|
| A. One | B. Two |
| C. Three | D. None |
| E. More than three | |

2. If in the word **'SPLENDOR'**, all the vowels are changed to the next letter and all the consonants are changed to the previous letter. Which of the following letter is fourth from the right end?

- A. P
B. M
C. O
D. K
E. None of These

Direction (3-7): Study the following information and answer the question that follows.

6 persons- A, B, C, D, E and F were born in different years viz. 1950, 1963, 1977, 1983, 1996 and 2003 but not necessarily in the same order. It is assumed that all of them were born on the same date of different years. All the age calculations are done assuming the present year as 2019. They like different colours.

F was born in an even-numbered year before 2003. The difference between the age of A and F is 13 years. The number of people born before A is equal to the number of people born after the one who likes pink. Two people were born between the one who likes pink and the one who likes yellow. The difference between the one who likes blue colour and the one who



likes yellow is 20 years. C was born immediately before the one who likes blue. D likes Red colour. D is older than B, who is older than the one who likes green colour. One person likes black.

3. What is the age difference between D and C?

4. Who among the following was born in 1963?

5. As many people live below F as above ___?

6. Find the ODD ONE OUT: C, D, B, A, F

7. If D is related to C, A is related to E, then in the same way B is related to ___?

Direction (8-9): Study the following information and answer the question that follows.

8.

Statement:

$M \leq N < O \leq P \leq R \leq S$

Conclusion:

- (i) $O \leq S$
- (ii) $M < R$

9.

Statement:

$P > Q \geq R = S; F \geq R \geq E$

Conclusion:

- (i) $Q \geq E$
- (ii) $P > S$

Direction (10-14): Study the following information and answer the question that follows.

Eight people are sitting around a square table such that four people sit at the corners of the table and four people sit at the middle sides of the table. The people sitting at the corners face opposite to the centre of the table and the people sitting in

the middle of the sides face towards the centre of the table.

F is sitting in the middle of the table. E is three places away from F (either from the left or right side of F). C is two places away from F (either from the left or right side of F). C is not an immediate neighbour of E. Two persons are sitting between B and C. A is not an immediate neighbour of B and C. Two persons are sitting between A and D. A sits second to the left of H.

10. How many person are sitting between D and F if counted from the right side of D?

11. Who is the sitting third to the right of F?

12. Which of the following does not belong to the group?

- A. D
- B. H
- C. E
- D. B
- E. G

13. The number of people sitting between E and C when counted from the right of E is equal to the number of people between G and ___ when counted from the left of G. (F, A, H, D, None of These)

14. Who is sitting second to the right of the person who is diagonally opposite to the person who is to the immediate left of C? (B, E, F, G, None of These)

Direction (15-19): Study the following information and answer the question that follows.

Six person J, K, L, M, N and O are sitting around a circular table facing the centre. They like different colour i.e. pink, red, green, blue, white and yellow. N is an immediate neighbour of the one who likes red. K is sitting second to the right of N. One person sits between K and the one who likes yellow (either from the right or left side). N neither likes yellow nor red. Only two people are sitting between the one who



likes yellow and L. J sits third to the right of the one who likes pink. J neither likes yellow nor red. Only one person sits between J and the one who likes white (either from the right or left side). O sits to the immediate left of the one who likes green.

15. Who among the following likes green colour?

16. What is the position of J w.r.t the one who likes blue?

17. How many people are sitting between the one who likes pink and M when counted from the left of M?

18. Who sits third to the left of O?

19. Which of the following statement is true about M and L?

6. Choose the odd one.
A. XVUS B. MKJH
C. QONL D. GEDB
E. WVSR

20. How many such pairs of letters are there in the word 'FORMING' each of which has as many letters between them in the word as in the English alphabet (both forward and backward)?

Direction (21-25): Study the following information and answer the question that follows.

Nine people live on separate floors of a 9-floor building. The ground floor is numbered 1, the first floor is numbered 2 and so on until the topmost floor is numbered 9. Less than two/four people live above M. Only four-person are living between M and X. P lives on a floor immediately above X. Only two person lives between P and S. S lives on one of the floor below P. As many people live below S as above T. O lives on an odd-numbered floor immediately above U. Only one person lives between O and R. Q lives on one of the floors below R.

21. Who among the following lives on the 7th floor?

22. Odd one out.
A. P - 7 B. U - 4
C. X - 1 D. Q - 6
E. T - 7

23. Which of the following statement is true?
A. P lives on an odd-numbered floor.
B. T lives immediately above O.
C. None
D. Only two persons live between M and R.
E. Only three persons live below X

24. How many people live between S and R?

25. Who among the following lives immediately above Q?



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