CAT Slot 3 Question Paper 2023

CAT Slot 3 Quant Memory-Based Question Paper 2023

1. How Find the sum of the two smallest natural numbers with the number of factors as 15.

2. A rectangle with the largest possible area is inscribed in a semi-circle. Find the ratio of the larger side to the smaller side.

3. In a regular polygon, each interior angle is 120 more than each exterior angle. Find the number of diagonals of the polygon.

4. A and B can do a work in 20 days. When A works at 60% capacity, B has to work at 150% capacity to finish the work. Find in how many days the faster one will finish the work alone.

5. In mixture A, the ratio of coco and sugar is 3:2 and in mixture B, the ratio of coffee and sugar is 7 : 3. These two were mixed together in the ratio 2:3 to make mixture C. Now equal quantities of C and milk are mixed. Find the percentage of sugar in the mixture.

6. In 2021, the population was 100000. In 2022 it is decreased by x%. In 2023, it will increase by y%. The population in 2023 is more than that of 2021 and difference between x and y is 10. Minimum population in 2021 was?

7. Infinite solutions for linear equations.

    $a + 5 = b^2 - 15 = 2b$

    $B = (-3, 5), a = (-11, 5)$

8. Find the ratio of the areas of a semicircle and the rectangle of the maximum area inside the semicircle.

9. $1 + (1 + 1/3) * 1/4 + (1 + 1/3 + 1/9) * 1/16 + ... = ?$

10. Number Systems:

    1 question each from i. Factors, ii. Indices, and iii. Integral Values

11. Algebra:

    1 question each from i. Log, ii. Functions, and iii. Algebraic Expression

    2 questions each from i. Equations and ii. Sequence & Series

12. Arithematic:

    1 question each from i. Time, Speed & Distance, ii. Interest, iii. Percentage, iv. PLD, v. Mixture, and vi. Averages

    2 questions from Time & Work

13. Geometry & Mensuration:

    1 question each from i. Circle, ii. Polygon, iii. Triangle

CAT Slot 3 DILR Memory-Based Question Paper 2023

1. SThere were 4 sets of questions each, thus 20 questions in total.
2. Routes and Networks - 5 questions
3. DI Caselet Table-based Girls/Boys Project and Test Scores - 5 questions
4. Numbergrid-based LR on Window & Split AC - 5 questions
5. Online Sites (Mean, Median, Mode, Min/Max) - 5 questions

CAT Slot 3 VARC Memory-Based Question Paper 2023

1. There were 4 sets of questions each, thus 20 questions in total.
2. Routes and Networks - 5 questions
3. DI Caselet Table-based Girls/Boys Project and Test Scores - 5 questions
4. Numbergrid-based LR on Window & Split AC - 5 questions
5. Online Sites (Mean, Median, Mode, Min/Max) - 5 questions

4.