

CAT 2021 Slot 1 Memory-based Question Paper

Memory Based Questions in CAT 2021 Slot 1 QA Section:

1. A girl buys a certain number of pens at a cost of Rs. 8 per pen. She hired a person on wages to sell the pens. 100 pens are sold at the price of Rs. 10 each. If the rest of the pens are sold for Rs. 11 each, she earns a profit of Rs. 300 and if the remaining pens are sold for Rs. 9 each, she gets a loss of Rs. 300. Find the wage of the person she hired.
2. In a right-angled triangle ABC in which angle B is 90 degrees, a circle of diameter 8 inches is inscribed. If $BC = 10$ inches, find the area of the triangle.
3. A regular hexagon ABCDEF has a side of 2 cm. T is the midpoint of CD. Find the length of AT?
4. A regular hexagon of side 2 cm has the same area as that of an equilateral triangle. Find the length of the side of the equilateral triangle.
5. For how many integral values of $|n-60| < |n-100| < |n-20|$?
6. A, B and C can do a piece of work in 12 days, 15 days and 20 days respectively. A works on all days, B works on alternate days starting from the 1st day onwards and C also works on alternate days starting from 2nd day onwards. How many days A, B and C will take to complete the whole work?
7. Onion price varies every 5 months. Rates per kg of the onions for the first five months were 10, 20, 25, 25, 50 respectively. The family follows fixed spending for first 3 months and for next 2 months, family spends half of the first 3 months spending. What is the closest average expenditure per kg the family spend for 5 months.
8. Two trains are running opposite to each other on parallel tracks. One train has 6 km/hr less speed than the other one. The fast train having length of 160 meter crosses a pole in 12 seconds. Both the train crosses each other at 14 sec. What is the length of second train in meters

Important Topics Asked in CAT 2021 Slot 1 QA Section:

- Moderate Function
- Arithmetic Dominating
- Mensuration
- Integral Solution
- Proportionality
- Algebra
- Modern Math
- Geometry
- In circle in right angle triangle
- TSD
- Train length

- Number- mixed with series
- PnC and Probability

Important Topics Asked in CAT 2021 Slot 1 VARC Section:

- RC-1: Maya of Classic Period
- RC-2: Evolution of Tea from China Drink
- RC-3: Utopia Transparency
- RC-4: Marshmallow Test Cuttlefish
- Verbal Ability: Para Summary
- Jumbled Para
- Odd Sentence Out from Jumbled Paragraph

Important Topics Asked in CAT 2021 Slot 1 DILR Section:

- DI Set 1: Table and text information based on Ganga, Kaveri, Godavari fruit selling.
- DI Set 2: Horizontal Bar on sales comparison of 2019 & 2020.
- LR Set-1: Friends acquaintances and strangers in City
- LR Set-2: Journal Publication for 18 research projects.

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