CAT 2025 DILR Question Paper

Time Allowed :120 Minutes	**Maximum Marks :**204	**Total questions :**68

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The total duration of the test is **120 Minutes**, with **40 minutes** allotted per section.
2. The question paper is divided into **three sections**:
   - **Section 1:** Verbal Ability and Reading Comprehension (VARC) – 24 questions
   - **Section 2:** Data Interpretation and Logical Reasoning (DILR) – 22 questions
   - **Section 3:** Quantitative Aptitude (QA) – 22 questions
3. Each correct answer carries **+3 marks**.
4. For multiple-choice questions (MCQs), **–1 mark** will be deducted for each wrong answer.
5. There is **no negative marking** for Type-in-the-Answer (TITA) questions.

1. A, B, C, D, E, and F are seated around a circular table facing the center.

B sits third to the left of A.

Only one person sits between C and D.

E is not a neighbor of A or C.

F sits immediately to the right of D.

How many distinct seating arrangements satisfy all conditions?

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2. A store sells four products — P, Q, R, and S — across four days (Mon–Thu), exactly one product per day.

P is not sold on Monday or Wednesday.

R is sold before Q.

S is not sold on Thursday.

Exactly one of P or Q is sold on Tuesday.

How many valid schedules are possible?

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3. A group of 120 students attend at least one of three workshops: Data, Logic, and Verbal.

48 attend Data, 60 attend Logic, 50 attend Verbal.

20 attend both Data & Logic, 15 attend both Logic & Verbal, 12 attend both Data & Verbal, and 8 attend all three.

How many students attend exactly one workshop?

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4. Four machines A, B, C, D produce items in a ratio.

A produces 40 more than B.

C produces 20% more than A.

D produces half of B.

If total production is 860 items,

how many items did Machine C produce?

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5. Six people — P, Q, R, S, T, U — stand in a line.

P is somewhere ahead of Q.

Exactly two people stand between Q and R.

S is not adjacent to P or R.

T is not in the first or last position.

How many distinct valid arrangements are possible?

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6. A delivery network allows routes from Start (S) to End (E) through intermediate hubs A, B, C.

Allowed edges:

S→A, S→B, A→C, A→E, B→C, C→E.

A route cannot visit more than 3 nodes including S and E.

How many valid routes from S to E are possible?

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7. Four players — W, X, Y, Z — play a round-robin tournament (each plays each once).

A win gives 2 points, loss 0.

W scores more points than X.

Y wins exactly one match.

Z does not lose to X.

How many distinct possible point-tables exist for the four players?