CAT 2025 DILR SLOT 2 Question Paper

Time Allowed :40 Minutes	**Maximum Marks :**66	**Total Questions :**22

General Instructions

Read the following instructions very carefully:

1. The total duration of the test is **40 minutes** per section.
2. Each correct answer carries **+3 marks**.
3. For multiple-choice questions (MCQs), **−1 mark** will be deducted for each wrong answer.
4. There is **no negative marking** for Type-in-the-Answer (TITA) questions.
5. Once the allotted time for a section ends, you will automatically move to the next section. You cannot go back to a previous section.
6. All answers must be entered on the computer screen using the mouse and keyboard. Rough sheets will be provided.
7. The use of calculators, mobile phones, or any other electronic device is strictly prohibited. An on-screen basic calculator will be provided.

Q1. Logical Arrangement (People × Skills)

Six employees — A, B, C, D, E, F — each specialize in exactly one of three skills: Data, Design, or Marketing (two people per skill).
The following are known:

1. A and D do not share a skill.
2. B's skill is the same as either E or F (but not both).
3. C is not in Marketing.

How many valid assignments of skills are possible?

(A) 12
(B) 16
(C) 18
(D) 24
(E) 36

Q2. Puzzle (Table Seating)

Eight people sit around a circular table: P, Q, R, S, T, U, V, W.
The following conditions apply:

- Q sits second to the right of P.
- S is not a neighbor of R.
- Only two people sit between T and W.
- U sits opposite V.

How many distinct seatings satisfy all conditions?

(A) 8
(B) 12
(C) 16
(D) 24
(E) 32

Q3. Data Interpretation (Sales Table)
A store sells four items (A, B, C, D) over three months (Jan, Feb, Mar).
The following information is known:

- Total sales of A over the three months = 300 units.
- Feb sales of C are 50 more than Jan sales of C.
- Mar sales of B are half of Feb sales of A.
- Total sales across all months for all items = 1320 units.

What are the sales in Feb for item A?

(A) 100
(B) 120
(C) 150
(D) Cannot be determined
(E) None of these

Q4. Distribution Puzzle
Four students (K, L, M, N) participate in four competitions (Quiz, Debate, Chess, Coding), one event each.
Conditions:

1. K does not do Quiz or Chess.
2. L does Coding.
3. N does not do Debate.
4. M does not do the same event type as K.

How many valid assignments are possible?

(A) 1
(B) 2
(C) 3
(D) 4
(E) 6

Q5. Routes & Networks
A courier must travel from Hub S to Hub T using intermediate hubs A, B, C.
Allowed edges: $S \to A, S \to B, A \to C, B \to C, C \to T, A \to T$.
The courier cannot use more than 3 edges in total.
How many valid routes from S to T are possible?

(A) 2
(B) 3
(C) 4
(D) 5
(E) 6
