

Seat
No.

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आभास - 044

305 - SPECIALIZATION - II 435
G : Systems Management
(Relational Database Management System)

P. Pages : 2

Time : Three Hours

Max. Marks : 60

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any three** question from Section I and **any two** question from Section - II.
5. Figure to right indicate full marks.
6. Answer to both the section should be written in same answer book.

SECTION - I

1. a) What is normalization. Explain 1Nf, 2 Nf, 3Nf and Bcnf with Suitable Example. 6
b) Explain the Architecture of RDBMS. 6
2. a) Construct an ER - Diagram for a car insurance company that has set of customer each of whom own one/more car. Each car has associated with it zero (0) to any number of recorded accident. 6
b) Explain any 3 DDL command with example. 6
3. a) Define data - model. Explain different types of data model with relevant example. 6
b) Explain any six codd's Rule. 6
4. a) Define RDBMS state its advantages and limitation. 6
b) Explain the object oriented concept in oracle. 6
5. a) What is view. Differentiate between simple view and update view. 6
b) Write short notes on Network database. 6

SECTION - II

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|----|-----|---|---|
| 6. | a) | What is SQL. Differentiate between static SQL and Dynamic SQL. | 6 |
| | b) | Describe the term Domain and Tuple. | 6 |
| 7. | a) | Explain the software modules supported by RDBMS. | 6 |
| | b) | Explain Join command with its types. | 6 |
| 8. | | Explain following commands with syntax and example any three . | 6 |
| | i) | a) LTRIM | |
| | | b) LOWER | |
| | | c) TO_CHAR | |
| | | d) TO_DATE | |
| | | e) NVL. | |
| | ii) | Write short notes on SET operators. | 6 |
