

April-2014

Seat
No.

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कड - 037

COMPUTER SCIENCE PAPER - I : UG - CS - 121

Basics of DBMS

(New) (12245)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

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. All questions are compulsory.
5. Figures to right indicate full marks.
6. Draw neat diagram whenever necessary.

1. Attempt any eight.

8

- a) Define candidate key.
- b) DDL stands for
- c) Define foreign key.
- d) SQL stands for
 - i) select query language
 - ii) systematic query language
 - iii) soft query language
 - iv) structured query language
- e) Which of the following is the data model ?
 - i) Relational
 - ii) Rational
 - iii) Historical
 - iv) Hypertext
- f) Define entity.
- g) What is tuple ?
- h) DML stands for
- i) Which of the following is select operator in relational algebra ?
 - i) σ
 - ii) S
 - iii) \$
 - iv) @
- j) ER model stands for

2. Attempt **any four**. 8
- Draw the symbol of ERD.
 - What is DBMS ?
 - State types of attributes.
 - List out set operations.
 - What is relation ?
 - What is weak entity set ?
3. Attempt **any two**. 8
- What is integrity constraints ? Explain.
 - Draw ER diagram of admission system of college.
 - Explain group by clause with an example.
4. a) Attempt **any two**. 6
- What is Network data model ?
 - Explain composite attributes.
 - Explain binary vs. Ternary.
- b) Compulsory question 2
- Define data dictionary.
5. Attempt **any one**.
- What is nested query ? Explain. 4
 - Explain different levels of abstraction. 4
- OR
- What are advantages of DBMS ? 4
 - Explain different aggregate functions. 4
