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Roll No.

Total No. of Pages : 02

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MBA (2015 to 2017) (Sem.-3) RELATIONAL DATABASE MANAGEMENT SYSTEM Subject Code : MBA-982

M.Code: 70760

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTION TO CANDIDATES :

- 1. SECTION-A contains SIX questions carrying FIVE marks each and students have to attempt any FOUR questions.
- SECTION-B consists of FOUR Subsections : Units-I, II, III & IV. Each Subsection 2. contains TWO questions each carrying EIGHT marks each and student has to attempt any ONE question from each Subsection.
- 3. SECTION-C is COMPULSORY carrying EIGHT marks.

SECTION-A

- 1 What are files?
- 2. What are tuples?
- 3? istRanker.com 3 What do you mean by anomalies?
- 4 What is concurrency?
- 5. What is data independence?
- What do you mean by HDB? 6

SECTION-B

UNIT-I

- What do you mean by DBMS? Explain in detail, how it is used by managers in present 7. scenario
- 8. Explain the architecture of DBMS in detail.

UNIT-II

- 9. Explain the concept of ER diagram in detail.
- 10. Answer the following in detail :
 - a. Hierarchical database
 - b. Network database



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UNIT-III

- 11. Explain the concept of normalization in detail. How normalization is beneficial in removing redundancy in databases?
- 12. Explain in detail the difference between First Normal Form and Second Normal Form.

UNIT-IV

- 13. Answer the following :
 - a. Recovery options in databases
 - b. Nested queries
- 14. Explain about DDL and DML commands by giving appropriate examples.

SECTION-C

- 15. Rohit's family owns and operates a 640-acre farm for several generations. Since the farm business is growing, Rohit is thinking to build a database that would make easier the management of the activities in the farm. He is considering the following requirements for the database :
 - a. For each livestock classification group (for example, cow, horse etc.), Rohit keeps track of the following: identification number, classification, total number of livestock per classification group (for example, number of cows, number of horses etc.).
 - b. For each crop the following information is recorded Crop identification number and classification.
 - c. Rohit has recorded the yield of each crop classification group during the last ten years. The records consist of the year, yield, sales, price of the crop and the amount of money earned.
 - d. Rohit has recorded the yield of each livestock classification group during the last ten years. The records consist of the following historical data: the year, (historical) selling price per head, number of livestock in the end of the year, number of livestock sold during one-year period, and the total amount of money earned.

Q- Draw an E-R diagram for this application. Specify the key attribute of each entity type.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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