

Subject: Introduction to RDBMS

Day: Wednesday  
Date: 10/04/2019

Time: 12.00 NOON TO 02.00 PM  
Max. Marks: 40

S-2019-1122

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Draw diagrams **WHEREVER** necessary.
- 3) Figures to the **RIGHT** indicate full marks.

**Q.1** Answer **ANY TWO** of the following: (10)

- a) What is file organization? What are the types of file organization?
- b) What is E-R model? Explain need of E-R model.
- c) Explain nested queries with an example.

**Q.2** Answer **ANY TWO** of the following: (10)

- a) Explain different types of relationships in RDBMS.
- b) Explain UNION operator in SQL.
- c) Explain basic data types supported by SQL.

**Q.3** Answer **ANY TWO** of the following: (10)

- a) Differentiate between DDL and DML statements.
- b) Draw E-R diagram for Air Line Reservation System.
- c) Explain UPDATE statement in SQL with the help of an example.

**Q.4** Answer **ANY FIVE** of the following: (10)

- a) State advantages of RDBMS.
- b) What is a key? State different types of keys?
- c) What is binary relationship? Give one example of binary relationship.
- d) Give the syntax and one example for ALTER statement in SQL.
- e) State the rules for naming the table in SQL.
- f) What is Collision?
- g) Define the following:
  - i) Data
  - ii) Database

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