Code:4304/R/BL

Faculty of Science

B.Sc (Computer Science) II-Year, CBCS-IV Semester Examinations

PAPER: Database Management Systems

Time: 2 Hours

Max Marks: 80

I. Answer any **FOUR** of the following questions   (4x20=80 Marks)

1. Explain about data base languages in detail.

2. Explain about relational query languages in detail.

3. Explain about set functions and aggregate functions in SQL in detail.

4. Explain the following

    i) Integrity constraints   ii) Triggers

5. Explain entity-relationship design issues in detail.

6. Explain Boyce-codd normal form. Explain How the 3NF relaxes the constraint specified in BCNF.

7. Explain serializability in transaction management in detail.

8. Explain the following i)Multiple granularity ii) Timestamp based protocols

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