E–3035

B. Com. (Part II) EXAMINATION, 2021

COMPUTER APPLICATION

Paper Second

(Relational Database Management System)

Time : Three Hours]   [*Maximum Marks : 50*

Note : Answer all the *five* questions. All questions carry equal marks.

Unit—I

1. Define database management system and explain relational network model.

Or

How do specialization and aggregation work ?

Unit—II

2. Explain about integrity constraints over relations.

Or

What are the variations in relational calculus ? Explain with examples.

Unit—III

3. What are the problems related to decomposition in DBMS ? Discuss with example.

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Or

Briefly discuss about full functional dependency and partial dependency.

Unit—IV

4. What is Join ? Explain about conditional join and natural join with syntax and example.

Or

How is static and dynamic SQL useful in DBMS ? Discuss in detail with example.

Unit—V

5. How are exceptions handled in PL/SQL ? Give some of the internal exceptions' name and occurring situations.

Or

Discuss PL/SQL Security Vulnerabilities.