

C 3502

B.C.A. (Three Year) DEGREE EXAMINATION, NOVEMBER 2016.

Third Semester

Part II

DATABASE MANAGEMENT SYSTEM

Time : 3 Hours

Max. Marks 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Discuss the importance of data modeling.
2. What are the problems with file system?
3. Give an examples for Relational set operators.
4. Discuss the concept of transitive dependencies.
5. What is the difference between UNION AND UNION ALL?
6. What is correlated subquery? Give an example?
7. What are optimistic methods?
8. What is a transaction?

PART — B

Answer ALL the following questions. **(5 × 10 = 50 Marks)**

UNIT I

9. (a) What are the advantages of database management system?
Or
(b) What are Basic Building Blocks? Explain each relationship.

UNIT II

10. (a) Write all CODD's relational database rules?
Or
(b) Explain Entity Relationship Model.

Turn Over

UNIT III

11. (a) What is the need for normalization?
Or

(b) Explain about higher normal forms.

UNIT IV

12. (a) Explain DDL and DML commands with examples.
Or

(b) What is an oracle sequences?

UNIT V

13. (a) What is concurrency control and what is its objectives?
Or

(b) Explain concurrency control with time stamping methods.
