

NOVEMBER/DECEMBER 2019

BIM52 — DATABASE MANAGEMENT SYSTEM

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Expand the term DBMS.
2. Draw any two E-R diagram components.
3. Define Tuple.
4. Write the acronym for DDL.
5. State the use of truncate table command.
6. List the TCL command.
7. Define simple join.
8. What is primary key?
9. Define cursor.
10. What is an exception?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss the purpose of database.

Or

- (b) Explain the components of Entity Relationship model.

12. (a) Write short notes on Domain Relational Calculus.

Or

- (b) Draw and explain the structure of relational model.

13. (a) Illustrate the usage of altering table command.

Or

- (b) Describe the data control language commands in detail.

14. (a) Elaborate the concept of self-join with example.

Or

- (b) Discuss in detail about check constraint.

15. (a) Elucidate the structure of PL/SQL blocks.

Or

- (b) Describe the use of PL/SQL functions with example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the process of Mapping constraints.

17. List and explain any 5 relational algebra operations.

18. Illustrate the steps to insert, select, update and delete records in a table.

19. Discuss in detail about set operators.

20. Explain the types of triggers with example.