

Time: 3Hrs

Max.marks:75

Section - A

Answer any FIVE question

5X5 = 25M

1. Explain disadvantages of file processing system?
2. Explain the concept of entity and entity set with suitable example.
3. Explain about various attribute classification.
4. What are the advantages of Relational algebra? Explain.
5. Explain various types of keys.
6. Explain the selection command with an example.
7. Explain sub queries.
8. Explain structure of PL/SQL.

Section - B

Answer ALL following question

5X10 = 50M

9. a) With a neat diagram, explain the architecture of a DBMS.

(OR)

- b) Explain about Data Models.

10. a) Explain about Specialization and Generalization in EER model.

(OR)

- b) What is ER-Modeling? Write advantages and disadvantages of ER-Modelling.

11. a) What is Functional Dependency? Explain difference between 3NF and BCNF?

(OR)

- b) What is relational model? Write about key features of relational model.

12. a) What is SQL? Explain different types of commands in SQL.

(OR)

- b) What is Nested Queries? How to create them? Discuss it with relevant example.

13. a) Explain steps in creating a PL/SQL Program.

(OR)

- b) Explain about Triggers and types of triggers