

Time allowed: 3 Hours

Max. Marks: 60

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting atleast one question from each Unit.

x-x-x

I. Attempt the following:-

- a) Differentiate between the terms data and information.
- b) What do you understand by a weak entity? Give examples.
- c) How does data administrator differs from database administrator?
- d) Differentiate between DDL and DML statements.
- e) How a view is different from a table? Discuss in brief.
- f) How does the terms SQL and PL/SQL relate with each other?
- g) What do you understand by events in Visual Basic? Give examples.
- h) What do you understand by ODBC? Discuss in brief.

(8x1½)

UNIT – I

- II. a) What are the different components of a DBMS? Discuss their roles.
- b) What are the advantages and disadvantages of ER Modeling? Discuss. (2x6)
- III. a) Draw and explain ER diagrams for a library management system. Appropriately assume any required information yourself.
- b) Differentiate between physical and logical data independence. Give examples of each. (7,5)

UNIT – II

- IV. Explain the syntax of following statements with suitable examples:
CREATE TABLE, INSERT, UPDATE, DELETE, ALTER TABLE, SELECT(12)
- V. a) What is the utility of GRANT and REVOKE statements? Discuss with suitable examples.
- b) Write a note on Client Server Technology highlighting its advantages and disadvantages. (2x6)

P.T.O.

(2)

UNIT – III

- VI. a) What is a Cursor? Discuss its utility with the help of an example and by writing suitable PL/SQL code.
- b) How functions can be created in Visual Basic? Discuss with the help of an example. (2x6)
- VII. a) What are the steps involved in connecting to MS-Access using VB? Discuss.
- b) What is a Trigger? Discuss its utility with the help of an example and by writing suitable PL/SQL code. (2x6)

x-x-x