2071

Bachelor of Business Administration

Fourth Semester

BBA-226: Database Management System

Time allowed: 3 Hours   Max. Marks: 80

NOTE: *Attempt four short answer type questions from Section–A. Attempt two questions each from Section B and C respectively.*

x-x-x

Section – A

I.   Attempt <u>any four</u> of the following:-

   a) What are tables and Fields?

   b) Define foreign key. Explain its significance?

   c) Explain the common data types available in SQL.

   d) What are the objectives of Normalisation?

   e) What are weak entities?

   f) Explain Data independence?   (4x5)

Section - B

II.   List various advantages of Data Base approach over Traditional File system approach.
                                                                (15)

III. Explain architecture of DBMS with diagram.   (15)

IV.   Explain the different operations in Relational Algebra with the help of an example.
                                                                (15)

V.   Write note on:-

   a) E-R model

   b) Relational Calculus   (15)

Section - C

VI.   Compare DDL, DML and DCL. Give two examples of each.   (15)

VII. What is the security need of data base also explain threats to database with Recovery

       Techniques.   (15)

VIII.   Discuss various types of normalization? Explain with the help of example difference between 3rd Normal form and BCNF?   (15)

IX.   Write note on:-

a) RDBMS

b) Granting Revoking Privileges   (15)

x-x-x