S-736

Total Pages : 4   Roll No. --------------

BCA-09/DIT-05

Database Management System

Bachelor/Diploma in Computer Application (BCA/DIT)

3rd/2nd Semester, Examination 2022(Dec.)

Time: 2 Hours   Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section – A

(Long Answer – type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

$$[2 \times 19 = 38]$$

P.T.O.

Q.1. Explain Codd's rule of DBMS. Explain each.

Q.2. What is normalization? Explain third normal form with example.

Q.3. What are data models? What is a relational data model? How relational data model is different from network data model?

Q.4. Explain different types of database failure and database recovery.

Q.5. Explain follow SQL commands with the help of example:
Select .... from............. where............
Group by.............Having
Order by ....

Section – B

(Short-answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only.

[4 x 8 = 32]

Q.1. What are the advantages of DBMS?

Q.2. Define the term DDL and DML with an example.

Q.3. What are the different data types used in SQL.

Q.4. Differentiate between Database system and File system.

Q.5. What is Domain Constraint?

Q.6. Differentiate generalization and Specialization.

P.T.O.

Q.7. What is the primary key? How primary key is different from super key and candidate key?

Q.8. What are Weak and strong entities? Explain with suitable examples.

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