ANNUAL ONLINE EXAMINATION 2020

(Only for Regular Students)

Note: Attempt two question from each unit. All questions carry equal marks.

UNIT 1
1. What is Data Abstraction? Discuss the level of abstraction at which database may be viewed.
2. Explain the various advantages of DBMS system.
3. What are the various data models used in DBMS?

UNIT 2
1. What is the difference between strong and weak entity set? Explain with example.
2. Define specialization and generalization with example.
3. Construct an ER-Diagram for school management system; take appropriate attributes, entity sets and relationships

UNIT 3
1. Explain the importance of join. Discuss the various types of join with example.
2. Write a note on integrity constraints.
3. Explain the function of the following:
    i. Project operation
    ii. Intersection
    iii. Rename
    iv. Union

UNIT 4
1. Explain functional dependencies.
2. Discuss 3NF, BCNF and 4NF with example.
3. What do you mean by DBMS and RDBMS? Write any five differences between them.

UNIT 5
1. Explain the operation of the SQL by which data can be modified.
2. What are aggregate functions? Describe each function.
3. Write short notes on the following:
    i) Commit ii) Rollback iii) Alter iv) Select

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