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School of Computing Science and Engineering

Bachelor of Computer Applications

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem II - E1UA204C - Database Management SystemsGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What are the advantages of DBMS over traditional file-based systems? K2 (2)
- 2) Explain different types of Attributes. K1 (3)
- 3) Differentiate DROP and DELETE command? K2 (4)
- 4) Define schema. Distinguish between external, conceptual and internal schema. K2 (6)
- 5) Outline the process of creating an Entity-Relationship (ER) diagram, including identifying entities, attributes, relationships, and cardinalities. K3 (6)
- 6) Construct an ER diagram for a car-insurance Company whoes Customer own one or more cars each. Each car has associates with it zero to any number of recorded accidents. K3 (9)
- 7) Discuss the three schema architecture of a database system. K4 (8)
- 8) Discuss relationship concept like one to one , one-to-many, many to one and many to many relationship with suitable ER diagram? K4 (12)

OR

Describe the difference between weak and strong entities in an entity relationship model using real life scenario. K4 (12)