

B.Sc. 2nd Semester (Programme) Examination, 2019

COMPUTER SCIENCE

(Database Management System)

Paper : 201/C-1B

Course ID : 21518

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions from the following: 1×5=5
 - (a) What is Entity and Attributes?
 - (b) What is Strong entity and Weak entity?
 - (c) Define Data Dictionary and Metadata.
 - (d) What is DDL? Give two names of DDL statements.
 - (e) What is data integrity?
 - (f) What is Primary key?
 - (g) What is database schema? How many types of schema?
 - (h) What is Integrity Constraints? How many types of it?

 2. Answer *any two* questions from the following: 5×2=10
 - (a) Draw E-R-Diagram for the banking enterprise.
 - (b) Difference between file processing system and DBMS.
 - (c) What is Cartesian product? Give an example.
 - (d) Discuss Three Level Schema Architecture.

 3. Answer *any one* question from the following: 10×1=10
 - (a) What is Normalization? Explain 1NF and 2NF with example.
 - (b) What is DML and DCL? Write down the function of two DML and DCL statements.
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