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Total No. of Printed Pages: [01]

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PGDCA (Semester – 2nd)
DATABASE MANAGEMENT SYSTEM
Subject Code: PGCAS1203
Paper ID: [19240107]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) What is DBA? Mention the functionalities of DBA.
- b) What is Functional Dependency? Explain it briefly.
- c) What are the advantages of DBMS?
- d) What is Database concurrency?
- e) Distinguish between primary and super keys.
- f) Differentiate between schema and instance.
- g) Differentiate between File system and Database System
- h) What are limitations of Traditional file processing system?
- i) Define Data Model.
- j) What is Relational Data Model?

Section – B

(5 marks each)

- Q2. Define Reports and macro in MS-ACCESS
- Q3. Explain the architecture of DBMS.
- Q4. What is role of MS-ACCESS in DBMS? Explain
- Q5. What is DML? Explain DML operations with examples
- Q6. What are the disadvantages in file system?

Section – C

(10 marks each)

- Q7. Explain about Entity-Relationship model with an example
- Q8. Write a note on functional dependency and multi value dependency.
- Q9. Write a Note & Explain
 - i) DDL
 - ii) DCL.