Roll No…….. **Total No. of Printed Pages: [01]**

Total No. of Questions: [09]

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.