Unit 3: Database Management System

Section A – MCQs / Fill in the blanks (5 Marks)

a) Database Management System
b) Tuples / Records
c) MS Access
d) Primary Key
e) SELECT

Section B – Short Answer Questions (10 Marks)
Advantages of DBMS:

Reduces data redundancy (no duplication).

Ensures data security and integrity.
(Any 2 points – 2 marks)

Definitions:

Table: A collection of related data organized in rows and columns.

Record: A single row in a table that represents one complete set of data.
(Both correct – 2 marks)

Primary Key vs. Foreign Key:

Primary Key: A field that uniquely identifies each record in a table.

Foreign Key: A field in one table that refers to the Primary Key of another table.
(Correct difference – 2 marks)

Purpose of SQL commands:

INSERT: Used to add new records into a table.

DELETE: Used to remove records from a table.
(Both explained – 2 marks)

SQL Command:

SELECT Name FROM Student WHERE Marks > 75;