J-9/2090
DATA BASE MANAGEMENT SYSTEM WITH M.S. ACCESS-203
SEMESTER-II
SYLLABUS MAY-2018

TIME ALLOWED 2 Hrs   M.M.70

NOTE;   Attempt any four questions. All questions carry equal marks.

SECTION A

Q1.   Define database management system. Discuss in detail the main characteristics of the database approach and how it differs from conventional file systems.

Q2.   Elaborate the role of DBA and its responsibilities.

Q3.   How aggregation, Generalization and Specialization are represented in ER Model? Explain with the help of suitable examples.

Q4.   Tabulate the differences among different data models.

Q5.   What do you mean by normalization? What are various forms of normalization? Discuss in detail.

Q6.   Define integrity. What are the various types of integrity constraints? Explain giving examples.

Q7.   What are the facilities available in MS Access? What is the difference between database and tables in Access? Also write the steps to create a table in MS Access.

Q8.   What are queries? What are the operators for queries? How to create queries involving multiple tables? Explain giving suitable examples.

Q9.   a)   What is data independence? Discuss in detail.
      b)   What are the characteristics of DCL?
      c)   Discuss in brief about candidate key and foreign key.
      d)   Write short note on select and project relational algebra operators.
      e)   What do you mean by multi-valued functional dependency?
      f)   Differentiate between authorization and authentication.
      g)   Differentiate between sorting and filtering.