

F-56/2110

10319/NJ

DATABASE MANAGEMENT SYSTEM – 237

(SEMESTER-3rd)

(Syll-Dec-2019)

NOTE: The candidates are required to attempt two questions each from Sections A and B carrying 4 marks each and entire Section C consisting of 7 short answer type questions carrying 2 marks each.

Section – A

1. What do you mean by DBMS and explain its advantages in detail?
2. Explain database languages in detail?
3. Define ER model. Which symbols are used in ER model? Explain with example?
4. Explain database keys with example?

Section – B

5. Explain following with examples
 - (a). Functional Dependency
 - (b). Multivalued Dependency
6. Define recovery. What are the different methods of recovery data? Explain?
7. Define table and database. What are the steps to create database in MS Access?
8. What do you mean by Concurrency Control? Explain two-phase locking method to handle concurrency?

Section – C

9.
 - (a). DBA and its Responsibilities
 - (b). Database Schema and its Subschema
 - (c). What is data independence
 - (d). Difference b/w primary and candidate key
 - (e). What is decomposition
 - (f). Problems arising out of concurrency
 - (g). What do you mean by database security.