

DATA BASE MANAGEMENT SYSTEM - B

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt *one* question each from Sections A, B, C, and D and the entire Section E. All questions carry equal marks.

Section : A

1. Differentiate between Traditional life system and Database system. 14
2. (a) What is the role DBA ?
(b) Explain the database languages used for creating, controlling and maintaining the database. 7×2=14

Section : B

3. Consider a system of workshop where cars are serviced. The system keeps, record of cars and their customers. The system also keeps, record of service details of cars and offer some special services and discount to different types of customers. Draw an ER model and convert that model to suitable set of tables. 14
4. Explain the basic and derived relational algebraic operators with example. 14

Section : C

5. What is Normalization ? Explain the process of normalization from first normal form to third normal form. 14
6. (a) What is the difference between Functional dependency and Multivalued dependency ?
(b) What do you understand by Database recovery ? How it can be achieved ? 7×2

Section : D

7. Explain the creation of database and its querying in MS-Access. 14
8. What do you understand by forms and reports ? What features are provided by MS-Access for creating forms and reports ? 14

Section : E

9. Answer the following in brief :
(a) What is Data inconsistency ? (b) Wha is Database scheme ?
(c) What is Foreign key ? (d) What is Divisional relational algebraic operator?
(e) What is Functional dependency ? (f) What is Authorized database access ?
(g) What is the application of macros in access ? 7×2=14