

PC-4814/MK

Q-12/2051

DBMS AND MS-ACCESS-214
(Semester-II)

Time : Three Hours]

[Maximum Marks : 60

Note : Attempt *two* questions each from Section A and B carrying 9 marks each. Section C is compulsory consisting of 12 short answer type questions carrying 2 marks each.

SECTION – A

- I. What are the advantages of database management system over traditional file processing system? Explain. 9
- II. Define the role of the following : 9
 - (a) Database Administrator.
 - (b) Database Designer.
 - (c) Application Developer.
- III. Define data independence. What is the difference between logical and physical data independence? Explain. 9
- IV. Define ER model. Which symbols are used in ER model? Explain giving example. 9

SECTION – B

- V. (a) Define aggregation. 2
(b) Define generalization. 2
(c) How ER diagrams are converted to tables? Explain. 5
- VI. Discuss in detail the relational data model. 9
- VII. Define integrity. What are the different types of integrity constraints? Explain giving examples. 9
- VIII. Write the procedure of creating and using macros in MS-Access. 9

SECTION – C

(Compulsory Question)

- IX. (a) Distinguish between Schema and instance. 2
(b) What do you mean by database system environment? 2
(c) What are the different classes of DBMS? 2
(d) What are the physical data models? 2
(e) What are the features of object-based models? 2
(f) How weak entity set can be converted to strong entity set? 2
(g) What do you mean by union compatible relations? 2

- (h) Distinguish between Candidate key and Primary key. 2
 - (i) What is lookup reference in MS-Access? 2
 - (j) Write the procedure of setting relationships in MS-Access. 2
 - (k) What are the different methods of creating reports in MS-Access. 2
 - (l) Distinguish between Sorting and Filtering. 2
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