

S.Y.B.Sc. (With Credits)-Regular-Semester 2012 Sem III
B.Sc.23141-Computer Science-I
(Database Management System and Ms-Access) Paper-I

P. Pages : 2

Time : Three Hours



GUG/S/16/3334

Max. Marks : 50

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and clean diagrams wherever necessary.

1. Either :

- a) Explain following Terminologies. 5
i) Data ii) Database
iii) DBMS iv) Record
- b) Explain Database Management systems with its characteristics. 5

OR

- c) Explain components of Database Management System. 5
- d) Write short note on: 5
i) DBA ii) Data Abstraction

2. Either:

- a) Define Data Models and Explain Relational Database Model. 5
- b) Define Normal Form and Explain 1-NF 5

OR

- c) Explain the concept of Functional Dependency. 5
- d) Explain Record base logical Model. 5

3. Either:

- a) Explain following elements of MS-Access. 5
i) Tables ii) Forms
- b) Write short note on Hyperlinks. 5

OR

- c) Explain following field types. 5
i) Date/ Time ii) Yes/No
- d) What are the steps involved in following. 5
i) Creating Table ii) Editing Records

4. Either:

- a) Define Report and explain procedure to create it. **5**
- b) Suppose MS-Access database with student information like rno, sname and class. **5**
Create a query to display student details whose roll numbers (rno) are in between 105 to 115.

OR

- c) Write short note on Filtering data. **5**
- d) What is Macro ? And explain the procedure to create Macros. **5**

5. Answer the following.

- a) Explain advantages of DBMS. **2½**
- b) Write short note on Normalization. **2½**
- c) Explain features of MS-Access. **2½**
- d) Write a procedure to create forms. **2½**
