

B.Sc. - II (With Credits)-Regular-Semester 2012 Sem III
B.Sc.23141 - Computer Science Paper – I
(Database Management System & Ms-Access)

P. Pages : 2

Time : Three Hours



GUG/S/17/3334

Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Either

- a) What is database? Discuss objectives of a database organisation. **5**
- b) What is database Administrator? Explain role of database administrator. **5**

OR

- c) What are the benefits of DBMS? Explain it. **5**
- d) Explain physical level data abstraction in details. **5**

2. Either

- a) Explain Logical Model in details. **5**
- b) Consider the following Schema of a relational database- **5**
Employee (Emp_no, name, address)
Project (P_no, P_name)
Work-on (Emp_no, P_no)
Answer the following queries in relational algebra –
i) Print the names of the employees who are working on project named "DBMS".
ii) Print the names of the employees who are not working in any project.

OR

- c) Explain 1NF and 2NF with an example. **5**
- d) Discuss codd's rule in brief. **5**

3. Either

- a) Explain any two elements of MS-Access database. **5**
- b) Explain any five data types used in MS-Access. **5**

OR

- c) Explain any two tools available in MS-Access form. **5**
- d) Explain the term create table using design view and using wizard. **5**

4. Either
- a) Define the following terms 5
 - i) Select and apply a filter type.
 - ii) Remove or reapply a filter.
 - b) Write down the steps to create report in MS-Access. 5
- OR**
- c) Explain types of queries in MS-Access. 5
 - d) Explain Macros in MS-Access. 5
5. All questions are compulsory.
- a) What is traditional DBMS. 2½
 - b) What are the benefits of Normalization. 2½
 - c) What are the elements of table in MS-Access. 2½
 - d) Explain the concept of filter using multiple criteria. 2½
