



GUG/W/14-3334

S.Y. B.Sc. Sem. - III B.Sc. 23141

**Computer Science - I (Data Base  
Management System & Ms-Access)**

**Paper - I**

P. Pages : 3

Time : Three Hours

Max. Marks : 50

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

**1.** Either

a) Define Data **5**  
Write a note on Data processing.

b) Define DBMS **5**  
Explain in brief on components of DBMS.

**OR**

c) Describe characteristics and advantages of DBMS. **5**

d) Discuss on Data base Administration. **5**

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- 2.** Either
- a) Define data model **5**  
Explain the record based logical model
  - b) What are the advantages of representing data in a normalized form? **5**

**OR**

- c) Write a brief note on relational Algebra. **5**
- d) What is dependency? **5**  
Explain functional dependencies.

- 3.** Either
- a) List and explain main features of Access-database. **5**
  - b) Write down steps to create a table using design view. Also give one example of adding a field to it. **5**

**OR**

- c) Write a note on field types supported by MS-Access. **5**
- d) Write a brief Introduction to MS-Access. **5**

4. Either.
- a) What is the role of queries in MS- Access? **5**  
Give different types of queries. With example.
  - b) Describe report in MS- Access giving suitable example. **5**

**OR**

- c) What is Filter? **5**  
Give example of filter using multiple criteria.
  - d) Discuss on Macro in MS- Access, giving suitable example. **5**
5. Solve all questions.

- a) Discuss on Data Abstraction. **2½**
- b) Write a note on codd's Rules. **2½**
- c) Write a brief note on editing table and records. **2½**
- d) What is FORM in MS- Access? Explain with example. **2½**

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