

B.Sc. (Information Technology)-I Second Semester Old
2BIT4 - Database Management System Paper-IV

P. Pages : 1

Time : Three Hours



GUG/W/18/1432

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid Vogue answers and write specific answer related to questions.

Either:-

1. a) Explain advantages of DBMS in detail. 8
- b) Explain components of DBMS. 8

OR

- c) What is data abstraction? Explain. 8
- d) Explain objective and benefits of DBMS. 8

Either:-

2. a) Explain Codd's rules in detail. 8
- b) What is Normalization? Explain 2NF (Second Normal Form) 8

OR

- c) Explain Record based data model in detail. 8
- d) Explain 3NF (Third Normal Form) with suitable example. 8

Either:-

3. a) How do create database using wizard? Explain steps to create database. 8
- b) Explain following 8
 - i) Tables
 - ii) Queries

OR

- c) Explain steps to create tables using wizard? 8
- d) What is form? Where the forms are used? Explain. 8

Either:-

4. a) Write down the procedure to create macros in MS-Access. 8
- b) Explain different types of queries. 8

OR

- c) Write down the procedure to create report in MS. Access. 8
- d) What is filtering data? Explain importance of it. 8

5. Solve all the questions.
 - a) Explain role of DBA. 4
 - b) Explain 1NF (First Normal form) 4
 - c) Explain Date and Time and number field. 4
 - d) Explain filter with multiple criteria. 4
