

B.Sc. (IT) (Part-I) Sem-II
2BIT4 - Database Management System Paper-IV

P. Pages : 1

Time : Three Hours



GUG/S/19/1432

Max. Marks : 80

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- Notes :
1. All questions carry equal marks and compulsory.
 2. Draw neat and clean diagram whenever necessary.
 3. Avoid vague answer and write answer relevant and specific to question only.

1. Either

- a) What is Data? Why database is necessary? Explain basic terminology of database. **8**
- b) Draw the three-tier Architecture of DBMS and Explain it in brief. **8**

OR

- c) What are the role of DBA? Explain each Role briefly. **8**
- d) Write down the advantages of DBMS? Explain. **8**

2. Either

- a) What is data model? Explain data modelling in detail. **8**
- b) Write about Record based logical model. **8**

OR

- c) What do you mean by 1NF? Explain it with the help of example. **8**
- d) Write about functional dependency with help of example. **8**

3. Either

- a) List and explain element of an Access database in detail. **8**
- b) Why do we need field type? Explain each field type in detail. **8**

OR

- c) What is wizard? Write down the step to create database and Table. **8**
- d) Explain: i) Report ii) Macros **8**

4. Either

- a) What do you mean by query? Discuss different types of queries in detail. **8**
- b) Write down the procedure to create a form. **8**

OR

- c) What are the advantages of Report? Write a procedure to create a report in Access. **8**
- d) Explain how to filter data using multiple criteria. **8**

5. Solve all the questions.

- a) Write a short note on data processing. **4**
- b) Differentiate between 1NF and 2NF. **4**
- c) Write down the Feature of MS-Access. **4**
- d) Write a short note on Data Filtering. **4**
