

B.Sc.- I (I.T.) (CBCS Pattern) Sem-II  
**UBITT205.1 - Paper-V - Elective-I : Database Management System**

P. Pages : 1

Time : Three Hours



**GUG/W/22/10925**

Max. Marks : 80

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

**Either:**

1. a) Explain difference between file based system and DBMS environment. 8  
b) Explain the role of DBA. 8  

**OR**

- c) Write down the advantages and disadvantages of a DBMS. 8  
d) Explain in briefly three levels of architecture in DBMS. 8

**Either:**

2. a) What is data model? Explain E-R model in detail. 8  
b) Explain Network Model with an example. 8  

**OR**

- c) Explain second normal form in detail. 8  
d) Explain Codd's 12 rules in detail. 8

**Either:**

3. a) Write a procedure to start MS-Access and creating a database from Blank database. 8  
b) Write a procedure to creating tables using wizard. 8  

**OR**

- c) Write a procedure how to managing table in MS – Access. 8  
d) Explain the various data type supported by MS – Access in detail. 8

**Either:**

4. a) What is Query? List and explain the two components of Query designer. 8  
b) Write different methods to create form. 8  

**OR**

- c) What is parameter query? Write a steps to create parameter query. 8  
d) Write a procedure using Macro to print report. 8

5. Solve all the questions.  
a) Explain the functions of Database. 4  
b) Explain functional dependency in detail. 4  
c) Write a note on designing database. 4  
d) Explain the elements of reports. 4

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