

B.Sc. (Information Technology)-I (CBCS Pattern) Second Semester CBCS
UBITT205.1 - Elective-I - Paper-V : Database Management System

P. Pages : 2

Time : Three Hours



GUG/W/18/10925

Max. Marks : 80

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

1. EITHER.

- a) What is distributed database? Explain the advantages of distributed database. **8**
- b) Explain the elements of DBMS in detail. **8**

OR

- c) What do you mean by data abstraction? How it is achieved in DBMS. **8**
- d) Explain the various components of DBMS in detail. **8**

2. EIHER.

- a) Write short note on. **8**
 - i) Entity.
 - ii) Entity Set.
 - iii) Attributes.
 - iv) Relationship.
- b) Explain Hierarchical model and network model in detail. **8**

OR

- c) Explain Entity-Relationship model. Also draw E-R diagram for library management. **8**
- d) What is an integrity constraints? Explain. **8**

3. EITHER.

- a) What do you mean by database management system. **8**
- b) Give the difference between datasheet view and Design view. **8**

OR

- c) What is sorting? Write a procedure to sort records of a table in MS-Access in descending order. **8**
- d) Write a procedure to start MS-Access and to create a database. **8**

4. EITHER.

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|----|--|----------|
| a) | What do you mean by query? Write different types of queries supported by MS-Access. | 8 |
| b) | What is wildcard character? Explain various wildcard characters supported by MS-Access with its meaning and example. | 8 |

OR

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|----|--|----------|
| c) | Create a query to select records of those students who belongs to city Chandrapur. Use student table having fields say Roll No. Name and city. | 8 |
| d) | How to save bitmap file as an attachment in MS-Access? Explain with example. | 8 |

5. Solve all the questions.

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|----|--|----------|
| a) | Write a short note on Database Approach. | 4 |
| b) | List and explain three types of DBMS. | 4 |
| c) | Write a procedure to create table using design view. | 4 |
| d) | List & explain types of macros. | 4 |
