

Bachelor of Computer Application (B.C.A.-I) Second Semester Old
2BCA4 - Data Base Management System Paper – IV

P. Pages : 2

Time : Three Hours



GUG/W/18/1102

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 vague answers and write specific answers related to questions.

1. Either :

- a) Explain the terms with suitable example. **8**
- i) Entity ii) Attributes
- iii) Relationship iv) Database
- b) Explain the features of DBMS environment? **8**

OR

- c) List and explain the three levels of abstraction in a DBMS? **8**
- d) Explain the following. **8**
- i) Structure of a DBMS.
- ii) Data Independence

2. Either :

- a) Explain the various components used in E – R model to represent real world objects? **8**
- b) Explain Hierarchical Database structure with advantages and disadvantages? **8**

OR

- c) Write a short note on **8**
- i) Sequential File
- ii) Index Sequential File
- d) Explain in brief the role of DBA. **8**

3. Either :

- a) What do you mean by Table in Access? Explain. **8**
- b) Write a procedure to create a database using wizard? **8**

OR

- c) Write a procedure to create a new table which uses only a structure of existing table. **8**
- d) Explain the various datatype supported by MS – Access? **8**

4. Either :

- a) What is cross tab query? Write a procedure to create cross tab query? **8**
- b) Write a procedure to create query from two table. **8**

OR

- c) What are Macros? Write a procedure to run specific reports using macros? **8**
- d) What are reports? Using suitable database, write a procedure to create report? **8**

5. Solve **all** the questions.

- a) Explain the advantages and disadvantages of DBMS. **4**
- b) Explain E – R model with relationship diagram & example? **4**
- c) List the features of MS – access? **4**
- d) What do you mean by Query? Explain different types of queries supported by MS – Access. **4**
