

B.C.C.A. II (with Credits)-Regular-Semester 2012 Sem III  
**BCCA234 - Paper-IV : Database Management System Concepts**

P. Pages : 2

Time : Three Hours



**GUG/W/16/2945**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw neat and clear diagrams wherever necessary.

1. Either :
- a) Explain the Advantages & Disadvantages of DBMS. 8
- b) Explain the concept of Three Tier Architecture. 8

**OR**

- c) Explain the terms : 8
- i) Data Redundancy.
- ii) Data Dependency.
- d) Explain the Role & function of DBA. 8
2. Either :
- a) Write a short note on following. 8
- i) Entities ii) Entity set
- iii) Attributes iv) Relationship.
- b) Explain Record Base logical model with example? 8

**OR**

- c) Explain first normal form with suitable example. 8
- d) What is Relational Algebra? Explain any four operation. 8
3. Either :
- a) List the features of Ms-Access. 8
- b) Explain the various Datatype supported By Ms-Access. 8

**OR**

- c) Write a procedure to create table using design view. 8
- d) Write a procedure to, 8
- i) Insert a Record. ii) Deleting the Record.

4. Either :
- a) Write a procedure to create a query from single table. 8
  - b) What is wildcard character? Explain with example. 8

**OR**

- c) What do you mean by forms? Write a procedure to create a form in Ms-Access. 8
  - d) What is macro? Write a macro to display the created reports using Ms-Access. 8
5. Attempt the following.
- a) Explain Data Abstraction. 4
  - b) What is functional Dependency. 4
  - c) What is parameter query? 4
  - d) Write a procedure to modifying the Record. 4

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