

Roll No.....

BCA ,4TH SEM-2014
DATABASE MANAGEMENT SYSTEM
Paper Code (BSBC-404)
Paper Id. [B0243]

Time : 3 Hrs

Maximum Marks: 60

Instruction to Candidates:

- 3) Section A is Compulsory
- 4) Attempt any four questions from Section B

Section A

Q1. (10 x 2 = 20)

- a) What is Database?
- b) Define Physical Data Independence?
- c) What is mapping in Databases?
- d) What is DIVISION operator?
- e) What is the use of SELECT, CREATE command in SQL?
- f) What is the use of Hierarchical Model?
- g) Different symbols used in ER Modeling?
- h) What is Foreign Key and Primary Key?
- i) What is difference between data and information?
- j) What are security threats?

Section B

(4 X 10 = 40)

- Q2. What is Database Administrator? Explain responsibilities of DBA in detail.
- Q3. Explain in detail the advantages & disadvantages of DBMS.
- Q4. What are the different types of data models? What is the use of mapping in data models.
- Q5. What is relational algebra? Explain different set operation in algebra.
- Q6. What is the need of concurrency control? Explain different concurrency control techniques.
- Q7. What are the advantages and disadvantages of Distributed Databases.

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