

Roll No.

56054

M.B.A. 2 Year 3rd Semester
(N.S.) Batch 2011-13

Examination-December, 2015

Data Base Management System

Paper-MBA-315

Time : 3 hours

Max. Marks : 50

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Section-A is compulsory. Attempt four questions from section-B selecting at least one question from each unit. All questions carry equal marks.

Section-A

1. (a) What is Normalisation? Why do we need normalisation?

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[Turn Over

9. (a) What is a document and how it is stored in a multimedia database?

- (b) What are compressed image representations?

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(b) How concurrency is performed?

(c) Differentiate Hierarchical and Network model.

(d) List the two commonly used concurrency control techniques.

(e) What is data consistency?

Section-B

Unit-I

2. What are the objectives and functions of database? Specify the various disadvantages in the file system.

3. (a) Describe various components of DBMS environment. Discuss how they relate to each other.

(b) Which database model is efficient to handle one to many relationships? Explain with an example.

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Unit-II

4. (a) What is redundancy? Explain controlled redundancy with suitable examples.

(b) Explain the various ways in which concurrency control can be implemented in a database.

5. Explain BCNF. With an example, explain how a BCNF preserves dependency.

Unit-III

6. Discuss in detail the advantages and disadvantages of distributed databases.

7. Discuss the chief software modules of a DDBMS. How are they related to client-server architecture?

Unit-IV

8. Explain the use of web databases and mobile database.

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