R09

B.Tech II Year II Semester (R09) Supplementary Examinations December 2016
DATABASE MANAGEMENT SYSTEMS
(Common to CSS, IT & CSE)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain object oriented model and network model in degrees of data abstraction.
   (b) What are the functionalities of data base administrator?

2 (a) Where do you place the foreign key when you are working with a 1:1 relationship?
   (b) What is the most common design trap and how does it occur?

3 (a) Discuss about union, intersect, difference set operators with examples.
   (b) Explain clearly about 1:1 relationship with example.

4 (a) How to create a table structure? Explain.
   (b) Create a table and write queries to display minimum and maximum elements in a selected column and row.

5 (a) Describe the characteristics of a table that is not in normalized form. Describe how such a table is converted to a first normal form relation.
   (b) What do you understand by attribute closure? Give an example.

6 (a) Explain about the concurrency controlled using locking methods.
   (b) What are acid properties? Explain.

7 (a) How the terms fuzzy check pointing and Recovery algorithm are used in advanced recovery technique?
   (b) What is immediate database modification and deferred database modifications? Explain.

8 (a) Compare the ordered indexing with hashing.
   (b) Compare linear hashing with extendible hashing.

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