R07

Code: R7421202

B.Tech IV Year II Semester (R07) Supplementary Examinations, March/April 2013
MULTIMEDIA DATABASES
(Information Technology)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

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1   What is multimedia database? What are drawbacks of relational model? Explain features
     of object-oriented databases. How they differ from object relational databases?

2   Explain implementation of image databases. How to represent image databases with
     R-Trees?

3   Explain following in detail.
     (a) Latent Semantic Indexing.   (b) TV-Trees.

4 (a) Give general model of video. Explain types of queries that we can pose to a video library.
   (b) How audio content are represented? Explain indexing of audio data.

5   Explain the design and architecture for managing content of a multimedia databases
     system in details.

6   What is the efficient solution of temporal presentation constraints in distributed multimedia
     presentation?

7 (a) What is a pictogram? Explain how to extend the ER model pictogram.
   (b) Explain object oriented data model with UML.

8   List different types of Spatial Query languages. Write a detailed note on Spatial Query
     language.

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