B.Tech II Year II Semester (R07) Supplementary Examinations December/January 2015/2016
DATABASE MANAGEMENT SYSTEMS
(Common to CSE & IT)

(For 2008 Regular admitted batch only)

Time: 3 hours   Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

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1 (a) Discuss about database system Vs file system.
   (b) Explain about data abstraction.

2 (a) Explain the following terms:
        (i) Relationship instance.
        (ii) Composite attribute.
        (iii) Multivalued attribute.
        (iv) Derived attribute.
   (b) Write about attributes and entity sets.

3 (a) Write about selection and projection.
   (b) Explain about join operation.
   (c) Write about set operation.

4 (a) Define and explain multivalued dependency with example.
   (b) Explain about aggregate operators with an example.

5 (a) Explain about problems caused by redundancy.
   (b) Write about decomposition.

6 (a) Explain about lock based protocols.
   (b) Explain about timestamp based protocols.

7 (a) Discuss about failure with loss of non volatile storage.
   (b) Explain about recovery with concurrent transactions.

8 (a) Discuss about comparison of different file organization techniques.
   (b) Explain about hash based indexing.

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