B.Tech II Year - II Semester Examinations, April/May-2012
DATABASE MANAGEMENT SYSTEMS
(COMMON TO COMPUTER SCIENCE & ENGINEERING, INFORMATION TECHNOLOGY)

Time: 3 hours   Max. Marks: 80

Answer any five questions
All questions carry equal marks

- - -

1.a) What are the major advantages of Data Base Management Systems (DBMS)?
 b) Explain the various levels of abstraction.   [16]

2.a) Define primary key, secondary key, candidate key and unique key.
 b) What is security and how do you provide security in DBMS?   [16]

3. Construct the B-Tree and B+ Tree for the following input data:
    23, 56, 34, 87, 67, 98, 53, 65, 12.   [16]

4. List out any three file organization methods. Explain each of them.   [16]

5. What are the benefits of normalization? Explain the BCNF with the help of suitable example.   [16]

6.a) List out three join operators. Explain each of them with the help of an Example.
 b) Describe the concurrency control system.   [16]

7. What is crash recovery? Explain it with the help of log recovery.   [16]

8. Write short notes on
    a) Check point
    b) Specialized locking techniques.   [16]

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Code No: RR220502 | RR | SET-2

Time: 3 hours   Max. Marks: 80

Answer any five questions
All questions carry equal marks
- - -

1.   Construct the B-Tree and B+ Tree for the following input data:
        23, 56, 34, 87, 67, 98, 53, 65, 12.   [16]

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        a) Check point
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7.a)   What are the major advantages of Data Base Management Systems (DBMS)?
  b)   Explain the various levels of abstraction.   [16]

8.a)   Define primary key, secondary key, candidate key and unique key.
  b)   What is security and how do you provide security in DBMS?   [16]

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Code No: RR220502

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SET-3

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4. Write short notes on
   a) Check point
   b) Specialized locking techniques. [16]

5.a) What are the major advantages of Data Base Management Systems (DBMS)?
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