

B.C.A. (II Semester) Examination, March 2011
DBMS

Time : 3 Hours

Max. Marks : 80

***Instructions** : Answer **all** questions in Part A, 5 questions in Part B, and 3 questions in Part C.*

Part – A : Questions from 1 to 8 carry 1 mark each and 9 to 14 carry 2 marks **each**.

Part – B : **Each** question carries 6 marks.

Part – C : **Each** question carries 10 marks.

PART – A

1. What is DBMS ?
2. What is a view ?
3. What is a record ?
4. What is an Entity ?
5. What is schema ?
6. What do you mean by transaction processing ?
7. Name the three levels of abstraction.
8. What is DML ?
9. List the advantages of DBMS.
10. What is aggregation ?
11. What is file organization ? Name the types of file organization.
12. What do you mean by derived attributes and code values ?
13. Define hash table.
14. What is functional dependency ?

P.T.O.

PART – B

1. What are the advantages of relational approach ?
2. Explain the three level architecture of DBMS.
3. Explain hierarchical model with example.
4. What is a normal form ? List out all normal forms. Why normalization of data is necessary ? Explain.
5. Explain sequential file organization.
6. What are constraints and triggers ?
7. Explain client-server system.
8. Explain First normal form with example.

PART – C

1. Explain ER Model for the banking system.
 2. Explain various DML commands with neat syntax.
 3. Define relational algebra and explain set operations on relations with example.
 4. Explain primary indexes and clustering indexes with example.
 5. What do you mean by distributed data base ? Explain Distributed commit and locking.
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