

I Semester B.Sc. (I.T.) Examination, June/July 2010
DATA BASE MANAGEMENT SYSTEMS

Time : 3 Hours

Max. Marks: 75

PART – A

Answer all the questions

(10×2+5×1=25)

1. Explain strategic information.
2. What is meant by data processing ?
3. Write any two advantages of Electronic Data Processing.
4. What is difference between physical and logical file organisation ?
5. Explain conceptual schema.
6. Write any two advantages of DBMS.
7. Define validating attributes.
8. What do you mean by operationally challenged workstations ?
9. Write any four rules of functional dependencies.
10. Define Encapsulating logic.
11. Explain the following terms.
 - a) Operational information
 - b) Normalisation
 - c) File organisation
 - d) Relational algebra
 - e) Dynamic SQL.

P.T.O.

PART – B

Answer **any five** of the following questions

(5×10=50)

1. What is Data Model ? Explain the different types of Data Models in details.
 2. Explain Entity Relationship (E-R) Diagram in detail.
 3. Explain the major components of DBMS.
 4. Briefly explain the basics of Relational Algebra with an examples.
 5. Explain a multiway tree of order M.
 6. Explain the properties of Relational Tables.
 7. Write a note on Boyce-Codd Normal form.
 8. Explain Codd rules with the help of suitable example.
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