USCST05 - Computer Science Paper-I : Database Management & System Analysis

P. Pages : 2

Time : Three Hours

|| *6 5 8 3* ||

Max. Marks : 50

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labeled diagrams wherever necessary.
3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Which are the Basic terminology used in DBMS? Explain. **5**

b) Explain the functions of DBA? **5**

OR

c) Enlist Disadvantages of DBMS. **5**

d) Enlist the role of DBA? **5**

Either:

2. a) Explain select & project Relational Algebra. **5**

b) Explain in detail second Normal form. **5**

OR

c) What are the advantages of Third Normal Form? **5**

d) How function dependency occur in DBMS? Explain. **5**

Either:

3. a) Explain System Development Life Cycle. **5**

b) What is Decision Table? Example with example. **5**

OR

c) Distinguish between Questionnaires and Interview. **5**

d) How CASE tools are useful in DBMS? Explain. **5**

Either:

4. a) Explain user training in detail. **5**

b) What is Quality Assurance? Enlist the objectives of Quality Assurance. **5**

OR

c) What is Conversion? Explain Direct Cut Over strategy. **5**

d) Enlist the Objectives of Post-Implementation Evaluation Review. **5**

5. Attempt all the questions.

a) Explain object based logical model. **2½**

b) Write a note on- **2½**
i) Set intersection operator $(\cap)$
ii) Union operator $(\cup)$

c) What is document analysis? **2½**

d) Explain System Design. **2½**

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