

B.E. Computer Science & Engineering Eighth Semester
CSE8041 - Elective-III : Advanced Database

P. Pages : 1

Time : Three Hours



GUG/W/18/2000

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Discuss the process of normalization explain third normal form with example. 8
b) Discuss database tuning. 8

OR

2. a) Explain ER model with hold management system. 8
b) What is need of spatial databases? Explain it with example. 8
3. a) Compare distributed databases Vs conventional databases. 8
b) Discuss distributed query processing with example. 8

OR

4. a) What is concurrency control? How it is achieved in distributed databases. 8
b) Why distributed databases is very much popular? Discuss. 8
5. a) What are the query language? used in object oriented databases Discuss with example. 8
b) Design an object-oriented database for dept-employee. 8

OR

6. How conservancy is achieved in object oriented databases? discuss. 16
7. a) What is datamining? Explain the process of data mining. 8
b) Explain the concept of client-server model. 8

OR

8. Write note on. 16
1) Web databases. 2) Mobile databases.
3) Data ware housing. 4) OLAP.
9. a) Discuss active and deductive databases. 8
b) What is cloud computing? Explain in detail. 8

OR

10. Write note on. 16
1) Parallel Databases. 2) Unstructured databases.
3) Multimedia databases. 4) Data streaming.
