



AL - 0547

B. C. A. (Part - III) Sixth Semester

Advance Database Management System**Paper - 6 ST 5**

P. Pages : 3

Time : Three Hours

Max. Marks : 60

- Note :
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer with the help of neat sketches wherever necessary.

1. A) Explain : 6
i) Redundancy.
ii) Inconsistency.

B) What are views ? Explain. 6

OR

2. A) What is the need of Normalization ? Explain. 6

B) What is Database Tuning ? Explain. 6

3. A) What is concurrency ? How it is controlled ?
Explain. 6

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1

P.T.O.

B) What is Log in a database ? State its advantages.

6

OR

4. A) What is Locking ? Explain.

6

B) Explain.

6

- i) Data Recovery.
- ii) Semaphores.

5. A) What are the advantages of Distributed databases ? Explain.

6

B) What are the steps taken while Query are evaluated using parallel processing ? Explain.

6

OR

6. A) What is Query optimization ? Explain.

6

B) State and explain the working of distributed databases.

6

7. A) What is OORDBMS ? Explain.

6

B) What are different storage and access methods used in OORDBMS ? Explain.

6

OR

8. A) What are objects in OORDBMS ? Explain.

6

B) How Inheritance is used in OORDBMS ? Explain.

6

9. A) What is OLTP ? Explain.

6

B) What is the need of Metadata in data warehousing ? Explain.

6

OR

10. A) What is OLAP ? Explain.

6

B) What is Data mining ? State and explain its applications.

6
