

BACHELOR OF COMPUTER APPLICATION - III SIXTH SEMESTER
**6BCA1 - PAPER-I : DATABASE ADMINISTRATION AND DISTRIBUTED
COMPUTING**

P. Pages : 2

Time : Three Hours



GUG/W/18/1117

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw Neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either

1. a) Explain PL/SQL programming concept. 8
- b) Write a note on: 8
- i) Database file layout.
 - ii) Database modeling.

OR

- c) Explain Relational Database management system. 8
- d) Discuss in detail internal Database structure. 8

Either

2. a) Explain how to manage password security in database. 8
- b) Describe in brief Related Database schemes. 8

OR

- c) Write a note on Oracle Database Architecture. 8
- d) Define and explain privileges, role and uses of oracle database. 8

Either

3. a) Write a note on Distributed computing system model. 8
- b) Explain Distributed operating system in detail. 8

OR

- c) Explain in brief Distributed computing Environment. 8
- d) What are different types of Distributed computing system model. 8

Either

4. a) Write a note on. 8
- i) Buffering
 - ii) Multidatagram message.

b) Explain Encoding and Decoding of message Data process Addressing. **8**

OR

c) What are the characteristic of good message passing system? **8**

d) Explain the concept of Group communication and Failure Handling. **8**

5. Solve all the question.

a) Write a note on DDL. **4**

b) What do you mean by Redo Log files? **4**

c) Discuss the advantages of Distributed computing environment. **4**

d) Describe issues in IPC by message passing. **4**
