



AL - 0544

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

Client Server Technology

Paper - 6 ST 2

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) | Why scalable hardware is so important ? | 6 |
| | b) | Explain the burgeoning market for High-performance servers. | 6 |

OR

- | | | | |
|----|----|---|---|
| 2. | a) | Explain in detail how client-server technology evolved. | 6 |
| | b) | What is client server computing ? List and explain its uses. | 6 |
| 3. | a) | List and explain the programming fundamentals for client - server Developers. | 6 |

AL - 0544

1

P.T.O.

- b) Explain Application interaction protocol in details. **6**

OR

4. a) List of explain four mechanisms for managing client-to-server interaction. **6**
- b) Explain client-server interaction using messages. **6**
5. a) What is scheduling ? Explain preemptive and Non-preemptive operating systems. **6**
- b) Explain processing queues in details. **6**

OR

6. a) Explain critical sections with updating and accessing shared data. **6**
- b) Explain scheduling Tasks with Novell Unixware. **6**
7. a) What is semaphores ? Give the example that shows how semaphores are used in windows NT. **6**

- b) What is virtual Memory ? How paging is used for virtual memory ? **6**

OR

8. a) What is sharing memory means ? Explain memory-mapped files for sharing memory. **6**
- b) What is meant by memory allocation ? Explain ANSI memory allocation functions. **6**
9. a) List advantages and disadvantages of client / server system, explain. **6**
- b) Explain SQL*Menu tool from Oracle. **6**

OR

10. a) Explain power builder in oracle. **6**
- b) What is oracle and client server computing Explain ? **6**
