

AT-451

B.C.A. (Part—III) Semester—VI Examination

CLIENT SERVER TECHNOLOGY

Paper—6 ST 2

Time : Three Hours]

[Maximum Marks : 60

Note :—(1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

(3) Use suitable data wherever necessary.

1. (a) What are the benefits of downsizing ? Explain in detail. 6
- (b) Explain distributed computing in detail. 6

OR

2. (a) Explain client server computing platforms in detail. 6
- (b) List and explain the benefits of client-server computing. 6
3. (a) What is Multitasking ? Explain. 6
- (b) Explain interaction of client server with example. 6

OR

4. (a) Explain :
 - (i) Threads
 - (ii) Remote procedure call. 6
- (b) Explain the request acceptance of dispatching in detail. 6
5. (a) What is synchronization ? Explain synchronization understanding in detail. 6
- (b) What is processing queues ? Explain. 6

OR

6. (a) What are the different scheduling techniques in client server computing ? Explain. 6
- (b) Compare primitive and non primitive systems. 6

7. (a) What are the different types of memory models ? Explain segmented memory model. 6

(b) Explain semaphore implementation in Windows NT and UNIX. 6

OR

8. (a) What do you mean by memory allocation ? List various memory allocation functions. 6

(b) Explain page memory model. 6

9. (a) Explain various models of DBMS. 6

(b) Explain SQL * Report writer design tool from Oracle. 6

OR

10. (a) Write and explain difference between DBMS and RDBMS. 6

(b) Write and explain ORACLE tools and design aids. 6