AW–1816

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

CLIENT SERVER TECHNOLOGY

Paper—6ST2

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) Explain the characteristics of Client and Server.   6

   (b) Explain heterogenous computing in detail.   6

OR

2. (a) State and explain the need of distributed computing.   6

   (b) Explain the concept of client server and also write its uses.   6

3. (a) Explain the concept of multitasking with process and threads.   6

   (b) How is communication done in Client Server technology ?   6

OR

4. (a) What is thread ? Explain.   6

   (b) Explain Client-Server Communication Protocols.   6

5. (a) State and explain the needs and types of scheduling.   6

   (b) Explain synchronization with example.   6

OR

6. (a) Explain preemptive and non-preemtive system.   6

   (b) What is scheduling ? Explain.   6

7. (a) What is semaphore ? Explain.   6

   (b) What is memory management ? Explain.   6

OR

8. (a) Explain :

   (i)   Mutex

   (ii) Memory Allocation.   6

   (b) Explain P and V semaphores with example.   6

9. (a) What is DBMS ? Explain.   6

   (b) Explain three types of SQL Commands with example.   6

OR

10. (a) What is Power Builder ? Explain.   6

    (b) What are the different models of DBMS ? Explain each in detail.   6