AQ–794

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) Assume suitable data wherever necessary.

(3) Illustrate your answers with the help of neat sketches wherever necessary.

1. (A) State and explain the need of distributed computing. 6

(B) What is scalability ? Explain. 6

OR

2. (A) What is client server technology ? Explain. 6

(B) What is heterogeneous computing ? Explain. 6

3. (A) How communication is done in client server technology ? Explain. 6

(B) What is Multi tasking ? Explain. 6

OR

4. (A) State and explain different communication protocols used in client server technology. 6

   (B) What is thread ? Explain. 6

5. (A) What is Scheduling ? Explain. 6

   (B) Explain Synchronisation with example. 6

OR

6. (A) State and explain the need and type of scheduling. 6

   (B) State and explain the difference between preemptive and non-preemptive system. 6

7. (A) What is Semaphore ? Explain. 6

   (B) What is Memory Allocation ? Explain. 6

OR

8. (A) What is Memory Management ? Explain. 6

   (B) Explain :

   (i) Mutex

   (ii) Sharing. 6

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

   (B) What is Power Builder ? Explain. 6

OR

10 (A) Explain client server computing in Oracle. 6

   (B) What is SQL ? Explain embedded SQL. 6