B.C.A. (Part–III) Semester—VI Examination
CLIENT SERVER TECHNOLOGY
Paper—65T2

Time : Three Hours]   [Maximum Marks : 60

Note:— (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Assume suitable data wherever necessary.

1. (a) State and explain the components of client server technology.   6

   (b) What is heterogeneous computing ? Explain.   6

OR

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

   (b) Explain microprocessor integration and its implementation.   6

3. (a) State and explain the types of client server system.   6

   (b) Explain :   6

   (i)   Threads

   (ii) Remote Procedure Call (RPC).

OR

4. (a) Explain the interaction techniques of client server architecture.   6

   (b) What are the different communication protocols used in client server computing ? Explain.   6

5. (a) What are the different scheduling techniques used in client server technology ? Explain.   6

   (b) Explain :   6

   (i)   Internal Scheduler

   (ii) Synchronization.

OR

6. (a) What are the different process states in multitasking computer system ?   6

   (b) Explain the types of primitive scheduling with example.   6

7. (a) Explain Semaphore implementation in UNIX.   6

   (b) Explain :   6

   (i)   Mutex

   (ii) Memory Management.

OR

8. (a) Explain P and V semaphores with suitable example.   6

(b) Explain : 6

    (i) Flat memory model

    (ii) Page memory model.

9. (a) Explain : 6

    (i) DBS

    (ii) Power Builder.

  (b) Explain Client server computing with Oracle. 6

OR

10. (a) Explain the different tools provided by ORACLE. 6

  (b) Explain different models of DBMS. 6