F 9062

Reg. No.............................

Name.................................

B.TECH. DEGREE EXAMINATION, NOVEMBER 2011

Eighth Semester

Computer Science and Engineering / Information Technology

CLIENT-SERVER COMPUTING (Elective–II) (RT)

[Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all *questions.*
Each question carries 4 *marks.*

1. Define client server computing ? What are its uses ?

2. Explain heterogenous computing. What are its merits ?

3. How to design a client server model ?

4. How to interact the client and the server using messages.

5. Define threads ? What are its applications ?

6. Define multitasking with example ?

7. Define synchronization ? How it is acheived ?

8. Write short note on mutual exclusion.

9. List the various networks communication protocols ?

10. Define interprocess communicaiton ?

(10 × 4 = 40 marks)

Part B

Each question carries 12 *marks.*

11. Explain the following :

   (i) Define socket ? List the parameters ?   (5 marks)

   (ii) How client and server socket differs ?   (7 marks)

Or

12 Explain the following :

   (i) Cross plat-form computing.   (6 marks)

   (ii) Distributed computing.   (6 marks)

13. Write note on :

   (i) Communicaiton techniques protocols ?   (6 marks)

   (ii) Client server interaction protocols ?   (6 marks)

Or

Turn over

14. Write note on :

    (i)   Request acceptance.   (4 marks)

    (ii) Dispatching.   (4 marks)

    (iii) Execution of requests.   (4 marks)

15. List the merits and demerits of multiprocessor.   (12 marks)

Or

16. Discuss the server communication model.   (12 marks)

17. Define critical section ? With an example elaborate the critical section problem ?   (12 marks)

Or

18. What is mutual exclusion ? What are the various methods to achieve mutual exclusions. (12 marks)

19. Explain inter processor communication protocols ?   (12 marks)

Or

20. Discuss the development of portable client-server applications.   (12 marks)

                                                                (5 × 12 = 60 marks)