Printed Pages– 3   Roll No. ....

322733(22)

B. E. (Seventh Semester) Examination, Nov.-Dec. 2018

(New Scheme)

(CSE Branch)

NETWORK PROGRAMMING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d) of each question.

Unit-I

1. (a) What is Protocol?   2

    (b) Describe UUCP and XNS network architecture.   7

---

[2]

(c) What is the difference between IPv4 and IPv6 family? Describe various IPv4 and IPv6 addressing.   7

(d) Write a program/routine to implement Daytime Client Server using C.   7

Unit-II

2. (a) What is socket ( ) system call?   2

    (b) Explain the use of the following function :   7

    bind ( ), listen ( ), accept ( ), connect ( ), sendto ( ), recvfrom ( ) and close ( ).

    (c) Describe the use of FORK ( ) and EXEC ( ) with suitable program example.   7

    (d) Describe IPv4 socket address structure. Describe address conversion functions.   7

Unit-III

3. (a) What is DLL?   2

    (b) Specify the APIs provided by winsock dll.   7

    (c) What is blocking socket and blocking function? Describe blocking timeout techniques.   7

[3]

(d) Describe, WINSOCK model. What are the issues related to new API DLL?   7

Unit-IV

4. (a) What is CORBA?   2

(b) Describe WAP architecture and services.   7

(c) Compare RMI and CORBA application. What is the use of Stub, Skeleton and Rmiregistry? How can you create stub and skeleton?   7

(d) Describe various firewall and security techniques.   7

Unit-V

5. (a) What are the basic part that can be seen in any web URL?   2

(b) What is parsing? Write a program to implement parsing using String Tokenizer.   7

(c) Describe URL Class in Java. How can we retrieve file and web documents using URL class?   7

(d) What is HTTP Server? What are the basic steps to create HTTP Server?   7

2,120]