322733(22)

B. E. (Seventh Semester) Examination, April-May 2021

(New Scheme)

(CSE Branch)

NETWORK PROGRAMMING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

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

Unit-I

1. (a) What is Communication Protocol?   2

    (b) Explain UUCP and XNS network architecture with proper diagram.   7

(c) What is Web Server? Describe the working method of web server. 7

(d) Describe application layer and network layer protocols. 7

Unit-II

2. (a) What is Socket? 2

(b) Describe the syntax and use of select( ), poll( ) and fcntl( ) function. 7

(c) Write a program for Day-Time client and Server using TCP. 7

(d) Explain bind( ), listen( ), connect( ) and accept( ) function in socket programming. 7

Unit-III

3. (a) What is Windows Socket API? 2

(b) Describe blocking socket, blocking functions and blocking timeout techniques. 7

(c) Explain Winsock model and I/O model. 7

(d) Describe new API's and DLL issues. 7

Unit-IV

4. (a) What is Web Database? 2

(b) Describe RMI architecture with diagram. 7

(c) Explain WAP architecture and WAP services. 7

(d) Write short note on Firewall and Digital Signature. 7

Unit-V

5. (a) What is URL? 2

(b) Explain String Tokenizer class in Java and write a program for parsing data using string Tokenizer. 7

(c) Describe URL class and write a program to retrieve web information using URL class. 7

(d) Write a program or steps to create client and server using Java. 7