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322713(22)

APR-MAY

B. E. (Seventh Semester) Examination, 2020

(Old Scheme)

(Computer Science and Engg. Branch)

NETWORK PROGRAMMING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

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

Unit-I

1. (a) What is IP Address?   2

   (b) Describe N/W layer architecture and functionality
       of each layer with suitable diagram.   7

(c) Compare TCP and UDP. 7

(d) Describe application layer and data link layer protocols. 7

Unit-II

2. (a) What is Socket? 2

(b) Describe client server architecture for connection oriented service. 7

(c) Explain FORK() and EXEC() system call with example. 7

(d) What is I/O Multiplexing? 7

Unit-III

3. (a) What is Dynamic Link Library? 2

(b) Explain different component of Winsock Model. 7

(c) Describe blocking functions and blocking time out techniques. 7

(d) Describe new API and DII issues. 7

Unit-IV

4. (a) What is CGI? 2

(b) Describe different types of Firewall. 7

(c) Describe WAP architecture and services. 7

(d) Explain various component of CORBA architecture. 7

Unit-V

5. (a) What is URL. 2

(b) Describe parsing using Stringtokenizer. 7

(c) Explain the working of HTTP server. 7

(d) What is Genetic Network Client? 7