

C022634(022)

**B. Tech. (Sixth Semester) Examination,
April-May 2022**

(AICTE Scheme)

(Computer Science Engineering Branch)

NETWORK PROGRAMMING

Time Allowed : Three hours

Maximum Marks : 100

Minimum Pass Marks : 35

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 E-mail? | 4 |
| (b) Explain Network architecture in detail. | 8 |

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- (c) Explain UUCP and XNS Protocol's for LAN. 8
- (d) Differentiate between IPV₄ and IPV₆ addressing. 8

Unit-II

- 2. (a) What is accept () system call? 4
- (b) Explain select and poll function in detail. 8
- (c) Describe the use of fork () and exec () with suitable program. 8
- (d) Explain about Java Socket Programming. 8

Unit-III

- 3. (a) What is blocking I/O model. 4
- (b) Explain the different DLL issues. 8
- (c) Describe about Winsock API. What are the different API's available in Winsock DLL? 8
- (d) Describe the basic steps for creating windows Client-Server Socket application. 8

Unit-IV

- 4. (a) What is RMI? 4

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- (b) Write short notes on the following : 8
 - (i) CGI Programming
 - (ii) HAP architecture and service
- (c) Explain digital signature in detail. 8
- (d) Explain different types of firewall that can be used for providing security to internet world 8

Unit-V

- 5. (a) What is Web Server? 4
- (b) What is Parsing? How to retrieve web information from URL? 8
- (c) What is Web Server? Explain the working principle of Web (HTTP) Client Server application. 8
- (d) What is String Tokenizer? How we are passing data using string tokenizer? Explain. 8