322713(22)

B. E. (Seventh Semester)
EXAMINATION, Nov.-Dec., 2014
(Old Scheme)
(Branch : CSE)
NETWORK PROGRAMMING

Time : Three Hours] [*Maximum Marks : 80*

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Note : Answer all questions. Each question has four parts. Part (a) is compulsory. Answer any *two* parts from (b), (c) and (d).

1. (a) What are the basic fields of an e-Mail Structure ?

    2

    (b) Draw and explain each layer of system network architecture.   7

    (c) What are the TCP/IP Headers ? Compare IPv_4 and IPv_6 and also explain.   7

    (d) Elaborate XNS architecture along with the protocol stock.   CSVTUonline.com   7

2. (a) What do you mean by TCP Part ?   2

(b) What do you mean by Socket Address ? Explain the function bind () and getsockname( ) to set and rear socket address. 7

(c) What are the various byte manipulation and address conversion function ? Explain in detail. 7

(d) Differentiate the use of fork and threads in C and Java Programming with Proper Justification. 7

3. (a) What are the advantages of Java Beans ? 2

(b) What are the various time outs for blocking I/O Operations ? Explain in detail. 7

(c) What are the basic component of Winsock Model ? Why DLL issues are used ? Explain. 7

(d) Describe the basic steps for creating windows client-server socket application. 7

4. (a) What is RMI ? **CSVTUonline.com** 2

(b) Discuss different security threats of Internet World. Explain different types of Firewall that can . be used for providing security to internet world. 7

(c) Write short technical notes on the following : 7

(i) CGI Programming

(ii) WAP Architecture and Services

(d) What do you mean by CORBA ? Explain its architecture with advantage and disadvantage. 7

5. (a) What is Web Server ? 2

(b) What is URL ? How can you retrieve information from an URL class ? Give a suitable example. 7

(c) What are classes and interfaces required for construction a HTTP Server ? Explain in brief. 7

(d) What is String Tokenizer ? How we are passing data using string tokenizer ? Explain. 7

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