PG/IIIS/COS-305/13(Pr.)

M.Sc. 3rd Semester Examination, 2013

COMPUTER SCIENCE

(Practical)

PAPER—COS-305

Full Marks : 50

Time : 6 hours

The figures in the right-hand margin indicate marks

GROUP – A

(*Network Lab.*)

[*Marks* : 25]

Answer any one question (Lottery basis) :

1. Write a program to construct a client which communicates with a 'echo' server using TCP.   20

2. Write a program to construct a server which echoes a string, received by a client using TCP. 20

3. Write a program to construct a UDP client which accepts a string from a server and displays it. 20

4. Construct a UDP server which provides present time and date to the client which communicates with it through port 2345. 20

5. Write a program to demonstrate broadcast sender. 20

6. Write a program to construct a broadcast sender which broadcasts a given string every ten seconds to the specified address. 20

7. Write a program to demonstrate multicast sender. 20

8. Write a program to construct a multicast receiver such that it joins a specified group, receives and prints a single multicast message from the group. 20

9. Write a program in C that accepts a given IP address in dotted decimal form and determines the class of the address. 20

10. Write a TCP/UDP server procedure that sleeps for 10 seconds. 20

11. Write UDP/TCP server program that receives two integer/float values from client and added result will be displayed into client. 20

12. Write a TCP talk-client server-client program (using internet domain). 20

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(4)

GROUP – B

(*Webpage Designing Lab.*)

[*Marks* : 25]

Answer any **one** question (**Lottery basis**) :

1. Design at least three hyperlinked web pages which should have a scrolling image and a five column table with different background colors using HTML and CSS. 20

2. Design a registration form of a social network site using CSS and HTML. 20

3. Write HTML code to develop a web page having 4 frame columnwise. Insert an image and a button in frame 1, 2, 3. Display some order list and unorder list with blue color text in frame 4. 20

4. Design a web page with 4 frames. Each frame should contain an image at the background using CSS and a marquee runner from top to bottom in any one of the frame. 20

5. Design a log in page user CSS for an administrator with the following fields : User name, Password, Gender, Designation, Also give a submit button. Front color : red, size : 10-px, bold, italics. A marquee should run from left to right above the page with a message 'All fields are manuality". Front within text box should be green color. Place an image at the background of the page. 20

6. Design the following web page with given fields :
All text must be red colored :
Name : Text box
Organisation : Radio Button (Govt, Privt.)
Designation : Combo box
Date of submission : Combo Box (each for day, month and year). 20

7. Design the following web page using CSS and HTML :

Title : web page design

Table of content

Chapter 1 : Introduction to web

Chapter 2 : HTTP

Chapter 3 : Network programming

Chapter 4 : HTML

Chapter 5 : CSS

    5.1. Introduction

    5.2 Advantages

    5.3 Adding style sheets

       5.3.1. External

         5.3.1.1. External style sheets are useful

       5.3.2. Inline

    5.4. Browser In Compatibality

Chapter 6 : XML.   20

8. Design a web page to compare e-mail unit Cu and Bu.   20

9. Design a web page user CSS and HTML as shown below :

Student's Database (Size-10 px)							
		Marks					
Roll	Name	P_1	P_2	P_3	P_4	P_5	Total

Table border is 5 px. Table color is green.   20

10. Design a HTML form using CSS for the registration of students in a university. Use any five fields but with different field attributes along with submit and cancel button.   20

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