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Total Number of Pages: 02

B.TECH
PCIT4301

6th Semester Regular / Back Examination 2016-17

INTERNET AND WEB TECHNOLOGY

BRANCH(S): CSE, MECH

Time: 3 Hours

Max Marks: 70

Q.CODE: Z691

**Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.**

- Q1 Answer the following questions: (2 x 10)**
- What is the difference between HTML and DHTML?
 - What is the difference between Network and Internet?
 - Differentiate between clients, peers and servers ?
 - What is the relationship between internet and world wide web?
 - Define Markup tags ? Describe different types of Markup tags with example?
 - What is the difference between span and div tag ?
 - Why CGI is taken as backbone of server?
 - Name the two methods are used to create array from string and string from array in perl with one suitable example for each?
 - What is definition list? What are the tags used to create definition list? Explain with suitable example?
 - What is javascript? Why it is mostly used in web browser?
- Q2 Write an html program to create one webpage contains following and perform form and email validation using JavaScript? (10)**
- Webpage contains text field to enter Name, Phone No, Email ID, Registration No, Roll No, login Id and pass word field to enter password and confirm password
 - It contains Radio button for gender like male and female and check boxes for hobbies like play, read, chat etc
 - It contains 2 drop down list for stream like B.TECH, M.TECH, PHD and for branch like CSE, ME, EE, ETC, CE etc
 - It contains text area to enter Address.
 - It contains two buttons submit by clicking on submit it will go for validation and one reset button to empty all the fields
- Q3 Write an html program to create one webpage contains following (10)**
- Divide the webpage into three rows of contains 10%,5%,and 85% using frame tag
 - In first frame webpage will be displayed contains one image at left side and other one image at right side and in center my first web page will be displayed
 - In second frame some buttons will be displayed in horizontal manner like facebook, gmail, yahoo, rediffmail, bput. If we click on these buttons respective page will be displayed on 4th frame
 - Divide third frame into two columns of size 20%,80% using frame tag

- Subdivided third frame will contains unordered list of hyperlinks for linkedin, orkut, google, ask, Hotmail. If we click on these hyperlinks respective webpage will be displayed in 4th frame

- Q4** a) Write an html program to create one webpage to display your biodata having information such as name,father'sname,mother'sname,date of birth,phone no,email id,hobbies,correspondence address,permanent address at left sideand one image at right side ? (5)
- b) What is CSS? Why is it needed? Describe different types of CSS with example? (5)
- Q5** a) Write one applet program to move a ball horizontally ? (5)
- b) What is DHTML? Describe the various components of DHTML? (5)
- Q6** a) What is script tag? Describe about its attribute?What do you mean by popup boxes? Describe different types of popup boxes available in javascript with suitable example? (5)
- b) Write an JavaScript program to create one simple calculator in which an webpage contains two text fields to enter two numbers and four buttons for addition, subtraction, division, and multiplication (5)
- If we click on addition buttons than summation of two entered numbers will be displayed on confirm popup box.
 - If we click on subtraction buttons than subtraction of two entered numbers will be displayed on confirm popup box.
 - If we click on multiplication buttons than multiplication of two entered numbers will be displayed on confirm popup box.
 - If we click on division button then division of two entered numbers will be displayed on confirm popup box.
- Q7** a) What is CGI? Describe the working principle of CGI with neat and clean diagram? Write the advantage of CGI ? (5)
- b) Write an perl program to compute following (5)
- Take a string of value 7-3-67-74-23-87-11-25-9
 - Create an array from the above string
 - Sort the strings in ascending order
 - Find max and min value in the above array
 - Replace the elements of array in between position 2to 5 with values 67,68,69
 - Create one sub array by taking elements of positon in between 5 to 9 of the above array
 - Create two sub strings from from the above two arrays
 - Finally merge two substrings and display result
- Q8** **Short notes on any two** (5 x 2)
- a) Life cycle of Applet
 - b) Hash variable
 - c) XML
 - d) URL