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Total Number of Pages : 02

B.Tech.
PIT6G001

6th Semester Regular Examination 2017-18
INTERNET & WEB TECHNOLOGY
BRANCH : IT
Time: 3 Hours
Max Marks : 100
Q.CODE : C514

Answer Part-A which is compulsory and any four from Part-B.
The figures in the right hand margin indicate marks.
Answer all parts of a question at a place.

Part – A (Answer all the questions)

Q1 Answer the following questions : *multiple type or dash fill up type* : (2 x 10)

- a) _____ function in JavaScript is used to insert an element in the front of an array.
- b) First two parts of IP address represents -----.
- c) ----- function is used in PHP to find position of a character in string.
- d) ----- tag of html is used to create ordered list.
- e) JavaScript is used in ----- side to reduce -----.
- f) ----- function used in JavaScript for replacement of old element with new element in array.
- g) ----- attribute of body is used to set color of its plain text content.
- h) ----- tag is used to create definition list.
- i) ----- allows to create custom tags for your own application.
- j) ----- element in form tag is used to set content hidden from user in html.

Q2 Answer the following questions : *Short answer type* : (2 x 10)

- a) Define URL? Mention different parts of it?
- b) What is the difference between standard window and applet window?
- c) What are the advantages of CGI?
- d) Mention the different ways to include video contents with control options to control video play in html5?
- e) What are the advantages of XML over HTML?
- f) Why is JavaScript not used in server side?
- g) What is the difference between semantic elements and non semantic elements?
- h) What is the role of PHP parser in webpage development?
- i) Mention some security issues of electronic payment system?
- j) Write an html program to display your location through Google maps?

Part – B (Answer any four questions)

- Q3 a) What is network? Describe types of network and different types of communication link used in network? Describe how internet forms from network? (10)
- b) Define WWW? Describe various components of WWW briefly? (5)
- Q4 a) What is table tag in html? Describe various attributes of table tag with suitable example and proper syntax? (10)

- b) What is the difference between web server and web browser? (5)
- Q5** a) Define CSS? Describe types of CSS with example? (10)
b) What are the various attributes for border in CSS. Mention with suitable example? (5)
- Q6** a) What is Dialog box? What is function? Describe different types of dialog boxes? (10)
Write a JavaScript program to create on webpage for simple calculator
- Consist of two text fields to receive two numbers from user
 - Consist of 5 buttons such add, sub, div, mul, mod for addition, subtraction, division, multiplication and modulus
- After clicking on button respective function will be called and output the result in alert box? Suppose after clicking on add button it will take the two numbers received from user through text field as operand and calculate addition of those two numbers and display the result through alert dialog box?
- b) Write a JavaScript program to find factorial of number using function and html? Take input from user through prompt dialog box and display output through alert box? (5)
- Q7** a) Define applet? Applet has title, menu, border bar. True or False? Justify your answer? Write an applet program to create a bouncing ball in which ball was dropped from coordinate (20,10) and it will bounce for some time and its height will be gradually decreases and finally comes to rest? (10)
b) Xml provide extra functionality to html. True or false? Justify your answer? Describe syntax of XML with suitable example? (5)
- Q8** a) What is PHP? What are the various components of PHP? Describe different types of arrays with example? (10)
b) Define MYSQL? Describe communication process in between MYSQL and PHP? (5)
- Q9** Write short notes on any THREE : (5 x 3)
- a) VIRUS
 - b) IPv4 vs. IPv6
 - c) Session
 - d) XML schema
 - e) Cyber security