Code: DC71   **Subject: INTERNET APPLICAT**

DipIETE – CS (NEW SCHEME)

Time: 3 Hours   **JUNE 2012**   Max. Marks: 100

PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- **Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.**
- **The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.**
- **Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.**
- **Any required data not explicitly given, may be suitably assumed and stated.**

Q.1   **Choose the correct or the best alternative in the following:**   **(2×10)**

a. The attributes of <SPACER> tag are

   (A) SIZE, COLOR,FONT   **(B)** SIZE, TYPE
   (C) TYPE, COLOR   **(D)** COLOR, FONT

b. The information placed in <HEAD></HEAD> section of HTML document is required for

   (A) the inner workings of the document and has nothing to do with the content of the document.
   (B) rendering the <body> content of HTML page.
   (C) controlling the javascript object.
   (D) providing information to the browser.

c. The Cascading Style Sheets can be used to determine

   (A) the HTML elements format.
   (B) the HTML elements Size, Color, Position and a number of other features.
   (C) the HTML elements event firing capability
   (D) None of the above

d. What are the attributes that can be specified in CSS?
   (A) Font Attributes, Color and Background Attributes, Text Attribute
   (B) Border Attribute and Margin attribute
   (C) List attribute
   (D) All of the above

e. JavaScript supports four primitive types of values. These primitives types are

   (A) Integer, Double, Float, Boolean
   (B) Number, Boolean String, null
   (C) Integer, Double, Float, String
   (D) Number, Double, Float, Boolean

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f. Which function in javascript provides a dialog box with some message, a... input field, 'OK' and 'Cancel' button

   (A) the alert() function   **(B)** the prompt() function
   (C) the confirm() function   **(D)** the optionDialog() function

g. The 'String' type variable in PHP is a sequence of characters that is always internally terminated with

   (A) NULL   **(B)** '\r'
   (C) '\n'   **(D)** '\r\n','

h. When assigning a String value to a variable in PHP it must be enclosed in quotes. Either single quote or double quote can be used. What is the vital difference between these two quotes?

   (A) When single quote is used, PHP performs variable expansion.
   (B) When double quote is used, PHP performs variable expansion.
   (C) There is no difference between single quote and double quote.
   (D) None of the above

i. Server-Side includes are processed and expanded by what?

   (A) The browser   **(B)** The Web server
   (C) the operating system   **(D)** the application server

j. What are the differences between an associative array and a hash?

   (A) There is no difference
   (B) Associative arrays are used on more formal data sets
   (C) Hashes are not really associative arrays in Perl, so they have a different name.
   (D) Associative arrays are used for native data and hashes are used for object type data.

Answer any FIVE Questions out of EIGHT Questions.
Each question carries 16 marks.

Q.2 a. Describe the Header and Footer of HTML page. Also explain, about <HR>, <img>, <form>,<input> tags with it's attributes.   **(3+2+2+2+2)**

   b. Design a html page for displaying following train schedule.   **(5)**

Train Name	Departure	Destination	Time		FARE
			Arrival	Departure	
Rajdhani Express	New Delhi	Howrah	11:10 AM	16:10 PM	Rs.1680/-

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Q.3 a. How document linking is done among HTML pages. Also state Exte... document reference and Internal Document Reference. **(3+5)**

    b. Design a web page which presents SCT as an institute for Corporate Training . The subject undertaken for corporate training are listed, each of which is a Hyperlink, and clicking on the hyperlink will lead to different document, showing a syllabus for the corresponding subject, as given below:
  (i) HTML   (ii) JavaScript
  (iii) CGI   (iv) Java
  (v) Oracle DBA   **(8)**

Q.4 a. Explain various built-in type casting function in javascript. When 'NaN' value is return by a function. **(6+2)**

    b. Write two javascript functions hello() and goodbye() in a html page. Once the page completes loading it greets a user with a message "Welcome". When a user leaves the page, the 'Good-Bye' alert dialog box is displayed. **(8)**

Q.5 a. Explain the JavaScript's DOM which is referred to as an instance hierarchy of the collection of web page elements. **(4)**

    b. Write short note on the following javascript objects:
  (i) navigator   (ii) window
  (iii) document   (iv) location
  (v) history   (vi) event
  (vii) EVENT   (viii) screen   **(1×8)**

    c. Create a simple form and write a script that performs primitive checking of data.
  (4)

Q.6 a. What are the characteristics of server-side applications? **(8)**

    b. List the text handling facilities which Perl provides. Write a script which splits strings apart on predefined character. **(8)**

Q.7 a. Discuss about the methods for passing parameter to the CGI program. What do you mean by Server-Side include. **(6+2)**

    b. What are Cookies? Write a program for displaying all the available Cookies in client machine. **(2+6)**

Q.8 a. Explain the various data types of PHP. **(8)**

    b. Write short note on the following built-in functions
  (i) print()   (ii) include()
  (iii) header()   (iv) phpinfo()   **(4×2)**

Q.9 a. What are the differences between general markup schemes such as XML and proprietary systems such as Rich Text Format? **(5)**

    b. List three advantages of using Perl to manipulate XML. **(6)**

    c. Why does XML use both streaming and tree-based parsing? **(5)**