**ROLL NO.** 

Max. Marks: 100

## **Diplete - CS (NEW SCHEME)** Code: DC71

**Subject: INTERNET APPLICATIONS** 

**Time: 3 Hours** 

## **DECEMBER 2011**

NOTE: There are 9 Questions in all.

- Please write your Roll No. at the space provided on each page immediately after receiving the Question Paper.
- 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.

Q.1	Choose the correct or the best alternative in the following:			
	a. Which element do you use to create an internal style sheet?			
	(A) <style> (C) <css></th><th>(<b>B</b>) <styles> (<b>D</b>) <link></th></tr><tr><td></td><td colspan=5>b. HTML paragraphs are defined with the tag</td></tr><tr><td></td><td>(A) <pre> (C)</td><td><ul><li>(B) <para></li><li>(D) <paragraph></li></ul></td></tr><tr><td></td><td colspan=5>c. What is the correct syntax for creating an array named taxRules that contains five elements?</td></tr><tr><td></td><td><ul><li>(A) new Array(taxRules) = 5;</li><li>(C) var taxRules = Array(5)</li></ul></td><td><ul><li>(B) Array(taxRules) + 5;</li><li>(D) var taxRules = new Array(5);</li></ul></td></tr><tr><td></td><td colspan=5>d. Code that executes in response to a specific event is called a(n)</td></tr><tr><td></td><td><ul><li>(A) function</li><li>(C) event handler</li></ul></td><td><ul><li>(B) procedure</li><li>(D) method</li></ul></td></tr><tr><td></td><td colspan=5>e. What are the different levels to define CSS?</td></tr><tr><td></td><td><ul><li>(A) paragraph level only</li><li>(C) only tag level</li></ul></td><td><ul><li>(B) tag, page and whole site levels</li><li>(D) only page level</li></ul></td></tr><tr><td></td><td colspan=4>f. In Javascript, what does "1"+2+4 evaluate to?</td></tr><tr><td></td><td><ul><li>(A) 124</li><li>(C) Either of the above</li></ul></td><td><ul><li>(B) 7s</li><li>(D) None of the above</li></ul></td></tr></tbody></table></style>			

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	a Tha 1 (	foult type for the AND	ROLL NO.	The lexibility		
	g. The def	fault type for the <inpu< th=""><th>U1&gt; tag is a</th><th>17</th></inpu<>	U1> tag is a	17		
	( <b>A</b> ) tex	t field out field	<ul><li>(B) number field</li><li>(D) None of the above</li></ul>			
	-		(2) I tone of the doore			
	h. Perl is:					
	(A) "the Swiss Army chainsaw of programming languages" due to its flexibility and power					
	(B) "duct tape that holds the Internet together", in reference to its ubiquity and					
	perceived inelegance (C) Both (A) and (B)					
		one of the these.				
	i. When CGI program runs, then it creates					
	( <b>A</b> ) a p		(B) a thread			
	( <b>C</b> ) a s	service	( <b>D</b> ) a transaction			
	j. Which	of the following is not	a main component of a Web page form?			
		put controls	(B) Output controls			
	( <b>C</b> ) FO	ORM tag	( <b>D</b> ) Submit button			
	A		estions out of EIGHT Questions. ion carries 16 marks.			
Q.2	a. What's	s the difference between	n h1 and the title tag?	(4)		
	b. Descri	ibe the structure of an Σ	XHTML Document.	(6)		
	c. How c	can I use tables to struct	ture forms?	(6)		
Q.3	a. Write	the proper CSS to give	e all h1 tags a font-family of Trebuchet, for	nt-size of		
Q.3	a. Write		e all h1 tags a font-family of Trebuchet, for			
Q.3	a. Write 28 pix	the proper CSS to give tels and a color of # 287	e all h1 tags a font-family of Trebuchet, for	nt-size of		
Q.3	<ul><li>a. Write 28 pix</li><li>b. Write</li></ul>	the proper CSS to give tels and a color of # 287 the proper CSS to give	e all h1 tags a font-family of Trebuchet, for 7755.	nt-size of (3)		
Q.3	<ul><li>a. Write 28 pix</li><li>b. Write</li><li>c. Create</li></ul>	the proper CSS to give tels and a color of # 287 the proper CSS to give	e all h1 tags a font-family of Trebuchet, for 7755.  p tags a margin of 10 pixels on all sides.  footer that sets the font-size to 10 pixels.	(3)		
Q.3	<ul><li>a. Write 28 pix</li><li>b. Write</li><li>c. Create</li><li>d. Explai</li></ul>	the proper CSS to give tels and a color of # 287 the proper CSS to give e a class in CSS called f	e all h1 tags a font-family of Trebuchet, for 7755.  e p tags a margin of 10 pixels on all sides. footer that sets the font-size to 10 pixels. of using CSS.	(3) (3) (3)		
Q.3 Q.4	<ul><li>a. Write 28 pix</li><li>b. Write</li><li>c. Create</li><li>d. Explain</li><li>e. What is</li></ul>	the proper CSS to give tels and a color of # 287 the proper CSS to give e a class in CSS called f in some of the benefits is a style rule? Provide	e all h1 tags a font-family of Trebuchet, for 7755.  e p tags a margin of 10 pixels on all sides. footer that sets the font-size to 10 pixels. of using CSS.	(3) (3) (3) (3)		
	<ul> <li>a. Write 28 pix</li> <li>b. Write</li> <li>c. Create</li> <li>d. Explain</li> <li>e. What is</li> <li>a. How to</li> </ul>	the proper CSS to give tels and a color of # 287 the proper CSS to give e a class in CSS called f in some of the benefits is a style rule? Provide to use strings as array in	e all h1 tags a font-family of Trebuchet, for 7755.  p tags a margin of 10 pixels on all sides. footer that sets the font-size to 10 pixels. of using CSS. an example.	(3) (3) (3) (3) (4)		

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emperatures to Celsius and vice a temperature into either text box a the temperature conversion and a (6)	
ber and returns the string "Invalid" (2)	
(2+2+4)	

- d. How to create an object using JavaScript?
- Q.5 a. Write web page to convert from Fahrenheit temperatures to Celsius and vice versa. The user of this web page simply types a temperature into either text box and clicks on the appropriate button to perform the temperature conversion and write the computed value into the other text box.
  (6)
  - b. Write a JavaScript function, ComputeArea, to return the area of a circle if its argument, radius, is a valid floating point number and returns the string "Invalid radius" if the radius is not valid. (2)
  - c. Write short notes on:
    - (i) The status bar
    - (ii) Rollover buttons
    - (iii) Moving Images.
- **Q.6** a. What is hash in perl? Explain some of the features of hash with skeleton code.

**(8)** 

- b. What are regular expressions in perl? Write a code demonstrating the use of a variable as a regular expression. (8)
- Q.7 a. Explain Common Gateway Interface (CGI) with its developing applications.
  - b. Discuss how to track users with hidden data and what are the practical uses to do so. Are there any precautions to be taken while doing this? (8)
- Q.8 a. Write a PHP script to create a form that would be used to collect a person's username and password. The form would use the POST method to pass these details to this php script which would be called login.php (10)
  - b. Please write a PHP script to establish a connection with the mysql database and insert a new employee's details entered from a form. (6)
- Q.9 a. What is an XML namespace? What is the purpose of XML namespaces? Explain with an example. (8)
  - b. Describe the XML schema. (4)
  - c. What is a DTD? Why is it used? (4)