

**DiplETE – CS (Current & New Scheme)**

Time: 3 Hours

**DECEMBER 2015**

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. <a> and </a> are the tags used for?
 

(A) Audio-voiced text	(B) Aligning text
(C) Insert Image	(D) Adding links to your page
- b. What is the correct HTML for adding a background color?
 

(A) <body background="yellow">
(B) <body style="background-color:green">
(C) <background>yellow</background>
(D) <bground>yellow</bground>
- c. Which of the following is correct CSS syntax for using font property?
 

(A) <p style="font: italic, bold, 15px;"> GO GREEN </p>
(B) <p style="font-style: italic font-weight: bold font-size: 15px;">GO GREEN </p>
(C) <p style="font: italic bold 15px;"> GO GREEN </p>
(D) None of these
- d. JavaScript is designed for the following purpose -
 

(A) To Style HTML Pages
(B) To Execute Query Related to DB on Server
(C) To add interactivity to HTML Pages.
(D) To Perform Server Side Scripting Operation
- e. Which of the following is not a valid variable name in JavaScript?
 

(A) 2names	(B) _first_and_last_names
(C) FirstAndLast	(D) firstName
- f. Which of the following expression operator increments a variable by one?
 

(A) ++	(B) .
(C) **	(D) *
- g. A header in CGI script can specify
 

(A) Format of the document	(B) New location of the document
(C) Both (A) and (B)	(D) Start of the document

- h. The “%” is used for \_\_\_\_\_ in PERL.  
 (A) Scalar variables (B) Hash variable  
 (C) Arrays (D) Subroutines
- i. Common gateway interface is used to  
 (A) generate executable files from web content by web server  
 (B) generate web pages  
 (C) stream videos  
 (D) none of these
- j. Given a variable \$email containing the string user@example.com, which of the following statements would extract the string example.com?  
 (A) substr(\$email, strpos(\$email, "@"));  
 (B) strstr(\$email, "@");  
 (C) strchr(\$email, "@");  
 (D) substr(\$email, strpos(\$email, "@")+1);

**Answer any FIVE Questions out of EIGHT Questions.**

**Each question carries 16 marks.**

- Q.2** a. List out HTML LIST tags. Explain HTML LIST tags with example. (1+7)  
 b. What purpose do the FORM Serves in HTML. Explain any six widgets used in FORM. (2+6)
- Q.3** a. What is CSS? What are the benefits of using CSS? Explain the types of CSS with syntax. (1+2+5)  
 b. Explain CSS Font Properties with Values. (8)
- Q.4** a. Explain different types of operators with example in JavaScript. (8)  
 b. Explain any four JavaScript string functions with example. (8)
- Q.5** a. What is DHTML? Write advantage and disadvantages of DHTML. (1+3+3)  
 b. Write a JavaScript code to display information in Status Bar. (9)
- Q.6** a. What are the fundamentals of arrays in Perl? Explain. (8)  
 b. Explain the different categories of a variable in Perl with an example. (8)
- Q.7** a. Explain CGI.pm module with the help of an example. (8)  
 b. Describe the steps to create Cookies in terms of CGI. (8)
- Q.8** a. List out the data types that PHP supports. Explain any four data types in detail. (4+4)  
 b. Explain the control structures in PHP with examples. (8)
- Q.9** a. What is the purpose of DTD? What are four possible keywords in DTD declaration? Write their format. (1+2+5)  
 b. Mention the advantages of XML schema over DTD's. (8)