

DiplETE – CS (Current & New Scheme)

Time: 3 Hours

December 2016

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. How to define the link should open in new page in HTML?

(A) Click Here	
(B) Click Here 	
(C) Click Here 	
(D) Click Here 	

- b. CSS is an acronym for

(A) Cascading Style Sheet	(B) Costume Style Sheet
(C) Cascading System Style	(D) None of these

- c. _____ JavaScript statements embedded in an HTML page can respond to user events such as mouse-clicks, form input, and page navigation.

(A) Client-side	(B) Server-side
(C) Local	(D) Native

- d. Which of the following is not a valid JavaScript variable name?

(A) _first_and_last_names	(B) FirstAndLast
(C) 2names	(D) None of these

- e. What does DTD stand for?

(A) Direct Type Definition	(B) Document Type Definition
(C) Do The Dance	(D) Dynamic Type Definition

- f. Perl language is

(A) interpreted but not compiled	
(B) compiled but not interpreted	
(C) interpreted and compiled	
(D) neither interpreted nor compiled	

- g. Which of the following is not a session function?

(A) session_decode	(B) session_destroy
(C) session_id	(D) session_pw

- h. 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
- i. Which of the following identifies a specific web page and its computer on the Web?
 (A) Web site (B) Web site address
 (C) URL (D) Domain Name
- j. Comment in XML document is given by
 (A) `<!-- -->` (B) `<!-- --!>`
 (C) `<!-- -->` (D) `</-- -- >`

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

- Q.2** a. What is HTML? How HTML tags are used to develop simple web page? (2+6)
 b. What is Hypertext and text formatting in HTML? Explain the different tags of formatting with proper example. (4+4)
- Q.3** a. What is difference between HTML and CSS? (6)
 b. How many types of CSS exist? Explain each type with example. (2+8)
- Q.4** a. Explain array and Array methods with example in Java Script. (3+5)
 b. Explain the concept of exception handling with an example. (8)
- Q.5** a. Distinguish between Static and Dynamic HTML. (2+6)
 b. What is XHTML? Why is XHTML needed? Give advantages of XHTML over HTML. (8)
- Q.6** a. Explain Control structures of Perl 5 in detail. (10)
 b. Give the features of Perl 5. (6)
- Q.7** a. What is CGI? Is it a script or a program? (3+5)
 b. What is the difference between a CGI script and a Pearl program? (8)
- Q.8** a. Explain Data types of PHP with examples. (10)
 b. Explain Built-in Functions of PHP. (6)
- Q.9** a. Give difference Between XML Schema and DTD. (6)
 b. Explain Document Object Model (DOM) in brief. (10)