

DipLETE – CS (CURRENT SCHEME)

Time: 3 Hours

JUNE 2015 - SPECIAL

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. Which element do you use to create an internal style sheet?
- (A) <style> (B) <styles>
(C) <css> (D) <link>
- b. Each object requires a _____ which identifies the URL of the object.
- (A) hashtag (B) tag
(C) classid (D) sessionid
- c. To change the colors of links or of the page background, hexadecimal values are placed in the ____ tag.
- (A) <title> (B) <head>
(C) <html> (D) <body>
- d. Code that executes in response to a specific event is called a(n) ____.
- (A) function (B) procedure
(C) event handler (D) method
- e. The fields such as element.innerHTML and document.location, are part of the DOM specification
- (A) True (B) False
- f. In Javascript, has only four types of data:
- (A) numeric, strings, Boolean and null
(B) integers, strings, Boolean and null
(C) numeric, real, Boolean and null
(D) numeric, characters, Boolean and null

Code: DC71

Subject: INTERNET APPLICATIONS

- g. The default type for the <INPUT> tag is a _____.
- (A) text field
(B) number field
(C) input field
(D) none of these
- 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 of the above
(D) None of these
- i. Java script provides the following built in window types that can be used from application code
- (A) prompt and confirm
(B) prompt and alert
(C) confirm and alert
(D) prompt, confirm and alert
- j. Which of the following is not a main component of a Web page form?
- (A) Input controls
(B) Output controls
(C) FORM tag
(D) Submit button

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

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|------------|---|------------|
| Q.2 | a. What's the difference between h1 and the title tag? | (4) |
| | b. Demonstrate the use of some HTML tags through an example code. | (6) |
| | c. What is HTML, SGML and XML? | (6) |
| Q.3 | a. What is the use of using an external style sheet? | (6) |
| | b. Write an example code for an external style sheet. | (6) |
| | c. What is a style rule? Provide an example. | (4) |
| Q.4 | a. How to use strings as array indexes using JavaScript? | (4) |
| | b. JavaScript's anonymous functions and event handling features, along with a couple of little quirks, mean that handling scope in your applications can become frustrating. Explain. | (8) |
| | c. How to make an array as a stack using JavaScript? | (4) |

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- Q.5** a. How to open a new window with JavaScript? Describe and provide an example. (8)
- b. Write short code example of an image moving across screen in JavaScript. (8)
- Q.6** a. What is hash in perl? Explain some of the features of hash with skeleton code. (8)
- b. What is the meaning of “Automatic Data Context” in perl? Illustrate through example. (8)
- Q.7** a. Why is the Common Gateway Interface (CGI) vulnerable? (8)
- b. Discuss how to perl handles a relational database with example. (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 (8)
- b. Please write a PHP script to check whether the user has entered information in all the required fields in a form. Also demonstrate the use of array_search() function. (8)
- Q.9** a. What are DTD – Entities? Explain with examples. (8)
- b. What is an XML namespace? (4)
- c. Write a short note on “Using CSS with XML” (4)