Code: DC71   **Subject: INTERNET APPLICATIONS**

DipIETE – CS

Time: 3 Hours   **DECEMBER 2013**   **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. HTML paragraphs are defined with the _____tag.

    (A) <Pre>   **(B)** <Para>
    (C) <P>   **(D)** <Paragraph>

b. In HTML, comments can be placed in _____ section of our document.

    (A) Head   **(B)** Body
    (C) Both head and body   **(D)** None of these

c. Scripting languages are used to create

    (A) Static web page.   **(B)** Dynamic web page.
    (C) Both static and dynamic web page.   **(D)** None of these.

d. The 'string' type variable in PHP is a sequence of characters that is always internally termed with _____.

    (A) Null   **(B)** 'lr'
    (C) 'In'   **(D)** 'lr in'

e. 'PHP' stands for _____.

    (A) Pre hypertext processor   **(B)** Primary hypertext processor
    (C) Hypertext pre-processor   **(D)** Hypertext processor

f. A PHP piece of code in files which act as libraries that can be included in any script by using the _____ command.

    (A) Require (file)   **(B)** Import (file)
    (C) Include (file)   **(D)** load (file)

g. The style attribute is a new HTML attribute. It introduces _____ to HTML.

    (A) XSL   **(B)** CSS
    (C) XCLT   **(D)** CSTC

h. Server UDI includes are processed and expanded by what?

    (A) The browser.   **(B)** The web server.
    (C) The operating system.   **(D)** The application server.

i. 'XML' stands for _____.

    (A) Extended mark-up languages.   **(B)** Extensible mark-up languages.
    (C) External mark-up language.   **(D)** None of these.

j. 'DTD' stands for _____.

    (A) Document Type Definition.   **(B)** Document Tempered.
    (C) Document Type Designing.   **(D)** None of these.

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

Q.2 a. What are tags? Explain in brief.   .   **(4)**

    b. How to insert an image into a Web page? Explain.   **(6)**

    c. Explain Iframes with suitable example?   **(6)**

Q.3 a. What are Classes? How to use classes in style sheet?   **(6)**

    b. Compare and contrast the use of <div> and <span> commands used for formatting of elements.   **(6)**

    c. Define Cascading styles in brief.   **(4)**

Q.4 a. What are the different types of operators that are used in Java Scripts?   **(8)**

    b. What are events? What events can Java Script handle?   **(8)**

Q.5 a. Why are rollover buttons so popular among web developers?   **(8)**

    b. What are difficulties that you might experience if you use Java Script to perform data validation.   **(8)**

Q.6 a. What is Scalar in Perl? Also explain the functions which operate on Scalars in brief.   **(8)**

    b. How arrays can be used in Perl? Explain with a suitable example.   **(8)**

Q.7   a.   Write a CGI program that displays a count of how many times a browser on each computer has contacted the server.   **(8)**

b.   Explain the Use of relational Data Base with Perl.   **(8)**

Q.8   a.   What is the difference between user defined functions and built-in function in PHP?   **(8)**

b.   Explain with the help of example how arrays are used in PHP.   **(8)**

Q.9   Write in detail:

(i) XML documents   **(8)**
(ii) Document Object Model   **(8)**