Code: DC71   **Subject: INTERNET APPLICATIONS**

DipIETE – CS

Time: 3 Hours   **JUNE 2014**   **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 of the following protocol is not used in the Internet?

   (A) Telnet   **(B)** WIRL
   (C) HTTP   **(D)** Gopher

b. FTP is acronym for

   (A) File Transaction Protocol
   (B) File Transmission Protocol
   (C) File Translation Protocol
   (D) File Transfer Protocol

c. What <tt> tag in HTML?

   (A) It renders fonts as teletype text font style
   (B) It renders fonts as truetype text font style
   (C) It renders fonts as truncate text font style
   (D) It renders fonts as transfer text font style

d. Who invented World Wide Web (WWW)?

   (A) Blaise Pascal   **(B)** Charles Babbage
   (C) Herman Hollerith   **(D)** Tim Berners-Lee

e. CSS is an acronym for

   (A) Cascading Style Sheet   **(B)** Costume Style Sheet
   (C) Cascading System Style   **(D)** Consumer Style Sheet

f. ISP stands for

   (A) Internet Security Protocol   **(B)** Internet Service Provider
   (C) Integrated Service Provider   **(D)** Internet Survey Period

g. <> used in PERL is called

   (A) Line Input Operator   **(B)** Line Output Operator
   (C) Line Equal Operator   **(D)** Line Zero Operator

h. In PERL scalar variable holds

   (A) Two Items   **(B)** Exactly One Item
   (C) Zero Item   **(D)** Multiple Items

i. The left association operator % is used in PHP for

   (A) Percentage   **(B)** Bitwise or
   (C) Division   **(D)** Modulus

j. The left associative dot operator (.) is used in PHP for

   (A) Multiplication
   (B) Concatenation
   (C) Separate objects and its members
   (D) Delimeter

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

Q.2   a. How do we create frames in HTML? What is a frameset?   **(8)**

       b. Why doesn't <TABLE WIDTH="100%"> use the full browser width?   **(8)**

Q.3   a. What are the advantages and disadvantages of various style specification
         methods?   **(8)**

       b. What does the "cascading" in "cascading style sheets" mean?   **(8)**

Q.4   a. How JavaScript make a web site dynamic? Also write what are the problems
         with Java Script.   **(4+4)**

       b. What is the difference between Client side JavaScript and Server side Java
         Script?   **(8)**

Q.5   a. Write a Java Script code that asks for name and age. Include a function called
         Validate(). If the data is valid only then the contents of the form are transmitted
         in email message.   **(4+4)**

       b. How can JavaScript make a Web site easier to use?   **(8)**

Q.6   a. What are scalar data and scalar variable? Explain with suitable examples.   **(8)**

       b. Write a script to reverse a string without using Perls built in functions.   **(8)**

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Q.7 a. What is CGI? When we need to use CGI?   **(8)**

b. With the help of suitable figure explain Perl DBI.   **(8)**

Q.8 a. What is PHP? What are the reasons for the popularity of PHP?   **(8)**

b. How to set cookies in PHP? Write a code that reads and displays a cookie and sets if with a new value that is passed as a parameter to the script.   **(3+5)**

Q.9 a. List any three benefits of Extensible Style sheet (XSL) mechanism. Explain any five elements of XSL.   **(3+5)**

b. Give the basic structure of XML document and explain it. Explain the difference between internal and external entities.   **(4+4)**