

- g. The default type for the <INPUT> tag is a _____.
- (A) text field (B) number field
(C) input field (D) None of the above
- 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 (A) and (B)
(D) None of the these.
- i. When CGI program runs, then it creates
- (A) a process (B) a thread
(C) a service (D) a transaction
- 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.**

- Q.2** a. What's the difference between h1 and the title tag? (4)
b. Describe the structure of an XHTML Document. (6)
c. How can I use tables to structure forms? (6)
- Q.3** a. Write the proper CSS to give all h1 tags a font-family of Trebuchet, font-size of 28 pixels and a color of # 287755. (3)
b. Write the proper CSS to give p tags a margin of 10 pixels on all sides. (3)
c. Create a class in CSS called footer that sets the font-size to 10 pixels. (3)
d. Explain some of the benefits of using CSS. (3)
e. What is a style rule? Provide an example. (4)
- Q.4** a. How to use strings as array indexes using JavaScript? (3)
b. How to use "join()" to create a string from an array using JavaScript? (3)
c. Describe cookies. (3)

- d. How to create an object using JavaScript? (7)
- Q.5** a. Write web page to convert from Fahrenheit temperatures to Celsius and vice versa. The user of this web page simply types a temperature into either text box and clicks on the appropriate button to perform the temperature conversion and write the computed value into the other text box. (6)
- b. Write a JavaScript function, ComputeArea, to return the area of a circle if its argument, radius, is a valid floating point number and returns the string "Invalid radius" if the radius is not valid. (2)
- c. Write short notes on:
(i) The status bar
(ii) Rollover buttons
(iii) Moving Images. (2+2+4)
- Q.6** a. What is hash in perl? Explain some of the features of hash with skeleton code. (8)
- b. What are regular expressions in perl? Write a code demonstrating the use of a variable as a regular expression. (8)
- Q.7** a. Explain Common Gateway Interface (CGI) with its developing applications. (8)
- b. Discuss how to track users with hidden data and what are the practical uses to do so. Are there any precautions to be taken while doing this? (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 (10)
- b. Please write a PHP script to establish a connection with the mysql database and insert a new employee's details entered from a form. (6)
- Q.9** a. What is an XML namespace? What is the purpose of XML namespaces? Explain with an example. (8)
- b. Describe the XML schema. (4)
- c. What is a DTD? Why is it used? (4)