

Time: 3 Hours

**DECEMBER 2012**

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. What is the difference between XML and HTML?
- (A) HTML is used for exchanging data, XML is not  
(B) XML is used for exchanging data, HTML is not  
(C) HTML can have user defined tags, XML cannot  
(D) Both (B) and (C)
- b. What is the <br> tag for :
- (A) Space (B) Paragraph Break  
(C) Line Break (D) Word Break
- c. What is the attribute for <image> tag?
- (A) Pt (B) url  
(C) path (D) src
- d. Which of the following tags below are used for a multi-line text input control?
- (A) Textml (B) Text  
(C) textarea (D) both (B) and (C)
- e. Is width = "100" and width = "100%" the same?
- (A) No (B) Yes
- f. What are <div> tags used for?
- (A) To replace paragraphs i.e. p tags  
(B) To logically divide the paragraphs  
(C) To logically divide the document  
(D) To provide space between tables

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- g. What is cell padding?
- (A) Used to separate cell walls from their contents  
 (B) Used to set space between cells  
 (C) Both (A) and (B)  
 (D) Used to provide width to a cell
- h. What attribute is used to specify number of rows?
- (A) Rownum (B) Rownumb  
 (C) Rn (D) Rowspan
- i. What are meta tags used for?
- (A) To store information usually relevant to browsers and search engines  
 (B) To only store information usually relevant to browsers  
 (C) To only store information about search engines  
 (D) To store information about external links
- j. How can we resize the image?
- (A) Using resize attribute (B) Using height and width  
 (C) Using size attribute (D) Using rs attribute

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

**Q.2** a. What is the role of frames in HTML? Write its syntax. (4)

b. Write an appropriate code to generate the following output:- (4)

```

      *
     * *
    * * *
   * * * *
  * * * * *

```

c. Write the general structure of an HTML Page. (8)

**Q.3** a. What are the different ways that styles can be added to a page? (8)

b. What do you understand by Layer? Explain by giving example. (8)

**Q.4** a. What is the use of functions in Javascript? Explain any three functions in Javascript for string manipulation. (8)

b. Explain the various data types in Javascript. (8)

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- Q.5** a. Write a Javascript code for creating 'alert' and 'confirm' box. (8)  
b. Explain Data validation. (8)
- Q.6** a. Explain various control structures of PERL (8)  
b. Write a PERL script which keeps track of number of visitors to a page. (8)
- Q.7** a. What is CGI? Explain its working with a neat diagram. (8)  
b. Explain the following applications of CGI: forms, gateways and virtual documents. (8)
- Q.8** a. How do you create arrays in PHP? Explain. (8)  
b. How does a PHP session store its data? (8)
- Q.9** a. With an example, explain basic XML schema. (8)  
b. What is document object model? Why is it required? (8)