
AMIETE – CS/IT (NEW SCHEME)

Time: 3 Hours

DECEMBER 2011

Max. Marks: 100

NOTE: There are 9 Questions in all.

- Please write your Roll No. at the space provided on each page immediately after receiving the Question Paper.
- 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. The <TITLE> tag is placed inside the
- | | |
|----------------|-------------------|
| (A) <BODY> tag | (B) <HTML> tag |
| (C) <HEAD> tag | (D) <DOCTYPE> tag |
- b. In case of HTML text formatting, a blank line always separates paragraphs in textual material. The tag that provides this functionality is
- | | |
|----------|----------|
| (A)
 | (B) <HR> |
| (C) <TR> | (D) <P> |
- c. In case of Cascading Style Sheets, a number of measurement units are used. Which of the following explanation is correct for the measurement unit 'Em'?
- | | |
|--------------------------|-------------------------|
| (A) one dot on a screen. | (B) 1/72 of an inch. |
| (C) the height of a font | (D) 1 pica is 12 points |
- d. External style sheets can be saved as file using _____ extensions, which can be linked to web pages by the _____ tag.
- | | |
|------------------------------------|-----------------------------------|
| (A) .CSS extension and <LINK> tag. | (B) .CSS extension and <HREF> tag |
| (C) .txt extension and <HREF> tag | (D) .sst extension and <LINK> tag |
- e. JavaScript provides several built-in functions that can be used to perform explicit type casting. What will be the value of string2Num by following casting?

```
var string2Num=parseInt("123XYZ");
```

- | | |
|---------|---------|
| (A) NaN | (B) NAN |
| (C) NaM | (D) NAM |

- f. Which function in javascript provides a dialog box with some message?
- (A) the alert() function (B) the prompt() function
(C) the confirm() function (D) the optionDialog() function
- g. SuperGlobal are variables that are automatically available throughout all php program code, in all scopes. Super global variables provide:
- (A) Useful information about the environment
(B) Allow access to HTML form variables or parameter and keeping track of session and file upload.
(C) Access to cookies stored on a client
(D) All of the above.
- h. In PHP, the include() function is used for
- (A) including external files (B) including php file
(C) including functions from external file (D) None of the above.
- i. In PHP, The strstr() function returns.?
- (A) The starting part of a string depending on parameter
(B) The ending part of a string depending on parameter
(C) a substring of a string depending on a parameter
(D) None of the above
- j. What kind of data are best suited for hashes?
- (A) Simple lists of items (B) Potatoes and corned beef
(C) List of key value pairs. (D) None of the above.

Answer any FIVE Questions out of EIGHT Questions.

Each question carries 16 marks.

- Q.2** a. What is the CAPTION tag? Design a HTML page with two tables. One table will be 'without cellspacing' and another table will be 'with cellspacing'. **(2+6)**
- b. Design an example table with column Span and Row Span and embed it in a HTML page. **(8)**
- Q.3** What are Cookies? Design an HTML page with JavaScript function in which the information entered by the user in any page is stored in cookies at the client side while the user traverses from page to page and made it available to the user whenever the user returns to any page previously visited. **(16)**
- Q.4** Discuss the following style sheet attributes citing few examples in each category:
- (i) Font related (ii) Text related
(iii) Border related and (iv) Margin related. **(4×4)**

- Q.5** a. What is External Style Sheet? How can you link a html page with external style sheet? Write an example external style sheet and an example html page and link these. (2+1+5)
- b. How <DIV> tag can be used for placing HTML element in a particular location of a page? Show using an appropriate example program. (8)
- Q.6** a. Discuss the purpose of phpinfo() function. Write a PHP program for displaying current month name. (4+4)
- b. Write a html file and a php program for uploading the file on the server. (8)
- Q.7** a. What is XML? Discuss various entities available in XML. (3+5)
- b. What do you mean by validation of XML? What are the methods available for validation? Write an example XML file and it's scheme file for validation. (2+2+4)
- Q.8** Write a CGI program in PERL for Help Desk application. When the program is called as a target action of the form, then it writes new entries to the log file. When called without using the form, it simply displays the entries of the log file. (16)
- Q.9** a. Write a brief note on Scalars, Arrays and Hashes. (2×3=6)
- b. What are the functions available in PERL for text processing? Write a PERL program for receiving html form data and write it in text file. (10)