



SF-8352

**B. E. III (Sem. VI) (IT) Examination**  
May / June – 2011  
**Web Technology & Programming**  
(New Course)

Time : Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> B. E. 3 (Sem. 6) (IT)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Web Technology & Programming (New)	<input type="text"/>
<input type="checkbox"/> Subject Code No. : <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="2"/>	<input type="text"/>
<input type="checkbox"/> Section No. (1, 2,.....) : <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

- 1 Answer the following questions : 10
- (i) Explain Padding in CSS.
  - (ii) Define XML Schema with an example.
  - (iii) Write down different Control Structures in Perl.
  - (iv) Write a full form of following terms :
    - (a) HTTP
    - (b) SOAP
    - (c) RSS
    - (d) XSLT
  - (v) How to write comments in HTML, CSS and XML ?
- 2 Answer the following questions : (any three) 12
- (i) What is the difference between external DTD and internal DTD ?
  - (ii) How to convert any HTML file to XHTML File ? State all the rules for conversion.
  - (iii) Discuss different positioning scheme in CSS. Write a code only for CSS file.
  - (iv) Explain different way of styling for HTML document.
- 3 (a) Answer the following questions : 8
- (i) Write an XML file and Schema file of Purchase order. 8  
The root element is Purchase Order. The root element may contain no TITLE element or one TITLE element along with sub-child element Customer. The Customer element must contain one each of items AccountID, Name in order. The Name element must

contain subchild elements Firstname, Middlename and Lastname. The elements AccountID, Firstname, Middlename and Lastname all contain PCDATA which is parsed character data. Account ID must be an integer value.

**OR**

- (i) Write HTML program to create a registration form for Bank to create new account in bank. 8  
This form include Personal details like person name, middle name surname, DOB, Address, Telephone/ Mobile no, E-mail address, Nominee detail, Account Type, submit button. Specify three checkboxes named Internet banking, Mobile banking, ATM Card service. Also provide external CSS file. The page should contain personal information in one table. Specify border of the table, border-color as blue, font color as red, font family as courier, cell spacing, padding etc.
- (b) Do as directed : 10  
(i) Write a program to make the sum of digits of an integer number in Perl language.  
(ii) Write an XSLT file for the following XML code.  
XML file :  
< Book >  
<title>XSL </title>  
<author>John Smith </author>  
</Book>  
Output file :  
<h2>John Smith </h2>  
<h1>XSL </h1>
- (c) Answer the following questions :  
(i) Explain SOAP communication using HTTP and XML. 4  
(ii) Write XHTML program in which your page is 6  
divided into two frames. Upper frame is the banner.html and lower frame is mainpage.html. The upper frame size is 30%. Banner.html should contain any title of your choice and mainpage.html should contain one paragraph.
- 4 (a) Answer the following question : 10  
(i) State true/false with proper justification. PHP supports multiple inheritance.  
(ii) \_\_\_\_\_ is the used to retrieve the data values by using HTTP GET method.

- (iii) All variables in PHP start with a \_\_\_\_\_ symbol.
- (iv) What is the correct syntax for referring to an external script called “xxx.js” ?
- (v) PHP server scripts are surrounded by which delimiters ?
- (vi) What is the difference between Get and Post ?
- (vii) State true/false with proper justification. PHP is an HTML-embedded scripting language.
- (viii) Give the difference between require and include in PHP.
- (ix) State true or false with proper justification. HTTP is a stateful protocol.
- (x) Javascript is \_\_\_\_\_ side scripting language.

- (b) Write a PHP code to generate login page which validates whether the given “Username” and “password” entered by the user and stored in the database (mysql) or not. 10
- Note : If the “username” and “password” are not stored in the database, display relevant message on the browser.

- 5 (a) Write a PHP code to calculate the age from his/her birth-date entered by the user. 7

**OR**

- (a) Write a Javascript code to validate Email-address entered by the user using Regular Expression. 7
- (b) Explain various types of variables in Perl. 5

- 6 Answer any two of the following : 18

- (i) Write a PHP program which has to textboxes “user\_name” and “age”. On clicking SUBMIT button, the value of the textboxes should be displayed on the next PHP page.
- (ii) Write a PHP code to store ‘User Cookio’ which has
  - (a) Date and Time of Last Visit
  - (b) User Name
  - (c) User Agent
  - (d) The Cookie must expire 3 days from the day of its creation.

Also redirect the page to another PHP page which reads and displays all keys in the cookies.

- (iii) Write a PHP code to upload an image file (\*.jpeg, \*.gif, \*.tif) only with a size limited to 20 KB.