

<ol style="list-style-type: none"> <li>1. <u>About Us</u></li> <li>2. <u>Course 1: C</u></li> <li>3. <u>Course 2: C++</u></li> <li>4. <u>Course 3: Java</u></li> <li>5. <u>Course 4: Python</u></li> </ol>	<p>This frame should display the detailed information about the option coming in the left pane, when user clicks on that option.</p>
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10. (a) Write an HTML program for designing an application form to apply for a course in the Delhi University. The web page should display the heading "Application Form to Apply in Delhi University".

The form should contain the controls for the following information: Username and Password of the candidate, Name, Gender (radio control), Marks scored in XII standard in various subjects (number control), Courses applied in Delhi University (checkbox) and Contact no.

Apply validations wherever necessary. (10)

- (b) Explain event handling in JavaScript covering different event handler with example. (5)

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[This question paper contains 8 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1309

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Unique Paper Code : 6202452302

Name of the Paper : Web Design and Development

Name of the Course : **B.Voc. (Software Development)**

Semester : III

Duration : 3 Hours

Maximum Marks : 90

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt total 5 questions. Q1 (30 marks) is compulsory to attend. Rest, Attempt any 4 questions (15 marks each) more.

**SECTION A**

1. Choose the correct answer (10)
  - (i) A webpage displays a picture. What tag was used to display that picture?

- (a) picture
  - (b) image
  - (c) img
  - (d) src
- (ii) Which tag inserts a line horizontally on your web page?
- (a) <hr>
  - (b) <line>
  - (c) <line direction="horizontal">
  - (d) <tr>
- (iii) When a user views a page containing a JavaScript program, which machine actually executes the script?
- (a) The User's machine running a Web browser
  - (b) The Web server
  - (c) A central machine deep within Netscape's corporate offices
  - (d) None of the above
- (iv) What CSS define in HTML?
- (a) How to save HTML elements

8. (a) Write short notes on **(ANY TWO)**: (5×2=10)
- (i) Server side vs. client side scripting
  - (ii) Dynamic and static web page
  - (iii) Bootstrap
  - (iv) UX/UI
- (b) Write a JavaScript that takes three integers from the user and displays the sum, average, product, smallest and largest of the numbers in an alert dialog. (5)
9. (a) Differentiate between **(ANY TWO)**: (5×2=10)
- (i) GET and POST request methods
  - (ii) Ordered and unordered list
  - (iii) Frame and IFrame
  - (iv) Block and Inline elements
- (b) Write an HTML program for creating the following frame structure for displaying the information about a website that offer various online courses: (5)

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5. Fill in the blanks : (2)
- (i) The combination of PHP and MYSQL has become very popular \_\_\_\_\_ side web scripting language in internet.
- (ii) MySQL stands for \_\_\_\_\_ .

**SECTION B**

6. (a) What is CSS? What is the difference between external, internal and inline CSS? Explain with programming examples. (10)
- (b) Write CSS code that define five classes of paragraph with different background, color, margins, padding and border style. (5)
7. (a) Explain database connectivity in PHP with reference to MYSQL. List the statements that are used to connect PHP with MySQL with an example. (10)
- (b) Explain in detail about CSS3 Animations. (5)

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- (b) How to send HTML elements
- (c) How to made HTML elements
- (d) How to display HTML elements
- (v) Which of the following is not a pair tag?
- (a) <p>
- (b) <u>
- (c) <i>
- (d) <img>
- (vi) Which of the following class in Bootstrap is used to provide a responsive fixed width container?
- (a) .container-fixed
- (b) .container-fluid
- (c) .container
- (d) All of the above
- (vii) The plugin used to create a cycle through elements as a slideshow is –
- (a) slideshow
- (b) scrollspy
- (c) carousel
- (d) None of the above

(viii) Variable name in PHP starts with –

- (a) ! (Exclamation)
- (b) \$ (Dollar)
- (c) & (Ampersand)
- (d) # (Hash)

(ix) Which of the following is correct to add a comment in php?

- (a) & ..... &
- (b) // .....
- (c) /\* ..... \*/
- (d) Both (b) and (c)

(x) Which of the following variable name is invalid?

- (a) \$newVar
- (b) \$new\_Var
- (c) \$new-var
- (d) All of the above

2. True/false

(5)

(a) HTML is client side scripting language.

(b) Google and Yahoo are web-browsers.

(c) The <DOCTYPE> tag tells the browser which language to use to create the page.

(d) We use <MAP>...</MAP> tags to define the areas of an image map

(e) To define a term in a definition list, we use <DT>..</DT> tages.

3. Give the element that will give the following : (8)

(a) Merge two data cells that are within the same row

(b) Give the row in a table the same back ground colour

(c) Fix the width of a column in a table to 200 pixels

(d) Make the table fill the entire display of the computer

4. Write a JavaScript code embedded on an HTML page that outputs the statement "I love designing websites".

(5)