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(ii) Sorts the array in descending order.

(iii) Sorts the array in descending order according to the value.

(iv) Sorts the array in descending order according to the key.

(b) Write a code to implement "scrollspy plugin" of bootstrap. (5)

(200)

[This question paper contains 12 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 7827

K

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. The paper has **two** sections. **Section A (30 Marks)** is compulsory.
3. Attempt any **four** questions from **Section B**. Each question in **Section B** is of **15** marks.

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Section A

1. Choose the correct answer. (10)

(i) How can you make an e-mail link?

(a) `<a href="xxx@yyy">`(b) `<mail href="xxx@yyy">`(c) `<mail>xxx@yyy</mail>`(d) `<a href="mailto:xxx@yyy">`

(ii) Choose the correct HTML tag to make a text bold?

(a) `<b>`(b) `<bold>`(c) `<strong>`

(d) both (a) and (c)

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The form should contain the controls for the following information : (10)

(i) Username and Password of the candidate,

(ii) Name,

(iii) Gender (radio control),

(iv) Marks scored in XII standard in various subjects (number control),

(v) Courses applied in Delhi University (checkbox)

(vi) Contact no.

Apply JavaScript validations wherever necessary.

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

11. (a) Write a PHP code that : (10)

(i) Sorts the array in ascending order.

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9. (a) Differentiate between (any two): (10)

- (i) Server-side vs. client-side scripting
- (ii) <svg> and <canvas> tag in HTML
- (iii) .container and .container-fluid class
- (iv) block and inline elements

(b) Write an HTML program to create the following frame structure for 5 displaying the information about a website that offer various online courses:

1. <u>About Us</u> 2. <u>Course 1: C</u> 3. <u>Course 2: C++</u> 4. <u>Course 3: Java</u> 5. <u>Course 4: Python</u>	This frame should display the detailed information about the option coming in the left pane, when user clicks on that option.
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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".

(iii) The updated MySQL extension released with PHP 5 is typically referred to as ____.

- (a) aMySQL
- (b) mysql
- (c) mysqli
- (d) mysqlly

(iv) CSS stands for?

- (a) Central Style Sheets
- (b) Common Style Sheets
- (c) Cascading Style Sheets
- (d) Control Style Sheets

(v) Which of the following is not a pair tag?

- (a) <p>
- (b) <u>
- (c) <i>
- (d)

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(vi) Which of the following Bootstrap plugin is used to create a modal window?

- (a) popup
- (b) alert
- (c) modal
- (d) window

(vii) Which of the following statement is correct about the Bootstrap wells?

- (a) By default, the size of wells is medium.
- (b) Using .well-sm and .well-lg classes, we can change the size of wells.
- (c) The .well-sm class is for small wells, and the .well-lg class is for large wells. And both classes should be used in conjunction with .well class.
- (d) All of the above

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8. (a) Write an HTML program to create the following table for an organization who wants to display the information about interns on their website:

(10)

Organization Logo			Internship Data					
S.No.	Candidate Name	DOB	Internship Details					Qualification
			Job Code	Job Title	Date of Joining	Duration	Stipend	

The table should contain at least 5 entries i.e., information about 5 candidates.

The table should contain at least 5 entries i.e., information about 5 candidates.

(b) Write short notes on (any two) : (5)

- (i) Audio and Video tags supported by HTML5
- (ii) Event handling in Js
- (iii) Responsive web design
- (iv) Operator in Javascript

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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) PHP stands for _____ .

Section B

6. (a) What is CSS? Differentiate between external, internal and inline CSS with example code of each.

(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. Write code statements that are used to connect PHP with MySQL. (10)

(b) Explain in detail about CSS3 transition and transformation. (5)

(viii) Which of the following function in PHP can be used to test the type of any variable?

(a) showtype()

(b) gettype()

(c) settype()

(d) None of the above

(ix) The function in PHP that can be used to concatenate array elements to form a single delimited string is –

(a) implode()

(b) concat()

(c) explode()

(d) concatenate()

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

(a) \$newVar

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- (b) \$new_Var
- (c) \$new-var
- (d) All of the above

2. True/false. (5)

- (i) A HTTP is the address you type in your web browser to find a particular page on the web.
- (ii) Every computer (or server) on the internet has its own Unique address number.
- (iii) Objects developed by another program cannot be imported directly to the Stage.
- (iv) In HTML, each individual markup code is referred to as an element or tag.
- (v) Once a Web site had been created, it cannot be altered.

3. (a) Give the Html element that will give the following : (4)

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- (i) A thin green horizontal rule that runs half the width of the display.
- (ii) An image (logo.jpg) used as a link to an external website. (www.example.com)

(b) Which HTML tags that can be used to display the following items on a web page. Explain with code snippet of each. (4)

- (i) An image
- (ii) A link
- (iii) A heading of a page
- (iv) A paragraph

4. 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)

P.T.O.