

(3 hrs.)

Maximum Marks = 80

NB:

1. Question No. 1 is compulsory and solve any THREE questions from remaining questions.
2. Assume suitable data if necessary.
3. Draw clean and neat diagrams.

Q1.

Marks

- a. Justify why Semantic elements are preferred over <div> element in HTML. 05
- b. How does the grid system work in bootstrap? Illustrate with the help of an example. 05
- c. Explain JavaScript Variables and their scope with examples. 05
- d. Describe the features of Laravel framework. 05

Q2. a. Write an external CSS and link it with HTML code for the following task: 10

Set the color of all elements with the class color text, to red.

Also write a media query to set the font-size of &lt;div&gt; to 80px when screen size is more than 600px wide and set the font-size of &lt;div&gt; to 30px when screen size is 600px wide, or less.

&lt;body&gt;

&lt;h1&gt;This is a heading&lt;/h1&gt;

&lt;div&gt;&lt;p&gt;This is a paragraph&lt;/p&gt;

&lt;p class="colortext"&gt;This is a paragraph&lt;/p&gt;

&lt;p class="colortext"&gt;This is a paragraph&lt;/p&gt;&lt;/div&gt;

&lt;/body&gt;

- b. Write an HTML code to create a registration form which accepts the details. Write JS Validations code. 10

Q3. a. How to add object in array using JavaScript? 10

- b. How to use navigation bar in bootstrap? Explain with the help of an example. 10

- Q4 a. Consider the registration form of Q2 (b) and write a PHP code to store this information in the table using MySQL database and perform SQL operations such as select, update, and delete for the stored data. 10
- b. List down the jQuery utility functions. Explain any 2 with the help of an example. 10
- Q5 a. Explain JavaScript Variables and their scope with examples. Explain DOM objects in JavaScript. 10
- b. Differentiate between JavaScript and Angular JS. 10
- Q6 a. Write PHP program to create Login and Logout using Sessions. 10
- b. Explain MVC architecture with the help of an example. List the advantages and disadvantages. 10

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