

**[3 Hours]****[Marks: 80]**

- Note :
1. Question 1 is compulsory
  2. Answer any three out of remaining questions
  3. Assume suitable data where required

Q1 Solve any 4

- a) Write a code to display an image on a web page **5**
- b) Write a Bootstrap code to create a pop message as soon as you open a page. **5**
- c) Explain any five HTML 5 form elements. **5**
- d) For which kind of applications MVC architecture is best **5**
- e) Write advantages and disadvantages of client-side scripting. **5**

Q2

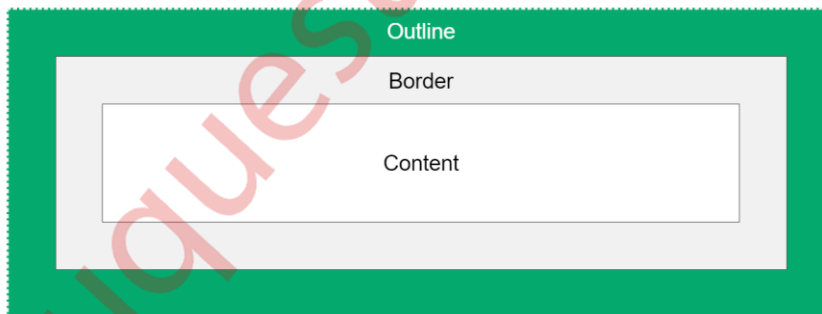
- a) How to define routes in Laravel? What are the default route files in Laravel? **10**
- b) Explain with example Bootstrap Grid System. **10**

Q3

- a) Explain React router with example and why it is import in ReactJS . **10**
- b) Write a simple Javascript for factorial of a number. (Take input from user) **10**

Q4

- a) Explain regular expressions in PHP. Write a regular expression for email validation and telephone number validation. **10**
- b) Write CSS code for displaying following section on a web page **10**



Q5

- a) Show an External stylesheet and link with HTML file. The Stylesheet should include the following. **10**
  - i) The web page will have background color black
  - ii) The web page will have the image "my\_photo.jpg" on a button.
  - iii) Table heading will have text in blue color.
  - iv) Background color of alternative paragraphs is different.
  - v) The hyperlinks on the web page will not have underline.
- b) Explain session management in web applications **10**

Q6

- a) Explain concept of Rowspan , Colspan and Colgroup in Html . Write HTML code to display following table. **10**

<b>APRIL</b>		

- b) Construct an HTML form that accept First\_Name, Last \_Name, Department and Year of joining from an employee. Write a PHP code that stores this information in a MySQL database named “Employee” with an existing table “emp\_details” having appropriate schema. Form should have update and delete functionality as well. **10**

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