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15CS71

## Seventh Semester B.E. Degree Examination, Aug./Sept.2020 Web Technology and its Applications

Time: 3 hrs.

Max. Marks: 80

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

### Module-1

- 1 a. With example explain HTML syntax. (04 Marks)  
b. Discuss the structure of HTML documents. (06 Marks)  
c. Explain any six html elements. (06 Marks)

OR

- 2 a. What is CSS? Explain the benefits of CSS. (06 Marks)  
b. With example explain the location of styles. (06 Marks)  
c. Explain any two selectors with respect to CSS. (04 Marks)

### Module-2

- 3 a. Discuss <table> element along with spanning rows and columns. (08 Marks)  
b. Explain the following concerned with forms:  
i) Form structure  
ii) Form control elements. (08 Marks)

OR

- 4 a. Explain the different ways of positioning elements in CSS layout technique. (08 Marks)  
b. Discuss fixed layout and liquid layout with example for each. (08 Marks)

### Module-3

- 5 a. Bring out the features of java script and also explain client-side scripting. (04 Marks)  
b. Explain the following concerned with java script:  
i) Comparison operator  
ii) Logical operators  
iii) While loops. (06 Marks)  
c. Discuss arrays of java script. (06 Marks)

OR

- 6 a. With example PHP tags, PHP comments, data types and constants. (04 Marks)  
b. By giving syntax and example, explain if...else in PHP. (06 Marks)  
c. Explain functions in PHP. (06 Marks)

### Module-4

- 7 a. Explain \$\_GET and \$\_POST hyperglobal arrays. (08 Marks)  
b. With syntax and example, explain PHP classes and objects. (08 Marks)



15CS71

OR

- 8 a. Explain the following with respect to PHP:  
i) Data encapsulation  
ii) Inheritance  
iii) Polymorphism. (09 Marks)  
b. Discuss errors and exceptions of PHP. (05 Marks)

**Module-5**

- 9 a. What is a cookie? Explain. (04 Marks)  
b. Explain the following:  
i) Serialization  
ii) Session state. (06 Marks)  
c. Explain different types of caching used to improve performance of web applications. (06 Marks)

OR

- 10 a. Explain javascript pseudo-classes with examples. (08 Marks)  
b. What is AJAX? Explain AJAX request by writing UML diagram. (08 Marks)

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