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By K B Hemanth Raj

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CBCS SCHEME

USN | | | | | | | | | | | **15CS71**

Seventh Semester B.E. Degree Examination, Dec.2019/Jan.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. Explain the role of <ul> and <ol> HTML tags with syntax and examples. **(06 Marks)**
    b. Explain the need of 'cascade' in CSS. Illustrate three principles of cascade with suitable CSS script segments. **(06 Marks)**
    c. Explain class selector and pseudo selectors of CSS with relevant scripts. **(04 Marks)**

OR

2 a. Explain two types of URL referencing techniques with suitable scripts in HTML5. **(04 Marks)**
    b. Explain the role of the following semantic elements of HTML5 with syntax and script segments:
      (i) <nav>   (ii) <section>   (iii) <aside> **(06 Marks)**
    c. Explain the following CSS properties with suitable examples:
      (i) float   (ii) position   (iii) overflow. **(06 Marks)**

Module-2

3 a. Compare radio and check box controls of HTML5 with examples. **(06 Marks)**
    b. Explain the structure of <form> element with an example. Illustrate the role of action and method attributes. **(06 Marks)**
    c. Explain the role of display and visibility properties in CSS with examples. **(04 Marks)**

OR

4 a. Explain different forms of text input controls with examples. **(04 Marks)**
    b. Explain the role of CSS position property. With suitable examples, explain absolute and relative positioning. **(06 Marks)**
    c. Explain liquid (fluid) layout design for websites with an example. List Liquid layout benefits and limitations. **(06 Marks)**

Module-3

5 a. Explain three forms of linking JavaScript to HTML page with suitable code segments. **(08 Marks)**
    b. With suitable diagrams, explain PHP module in apache. Describe the role of apache threads in web application execution. **(08 Marks)**

OR

6 a. Explain two methods in JavaScript to access DOM nodes with examples. **(04 Marks)**
    b. Explain two approaches for event handling in Java Script with suitable code segments. **(06 Marks)**
    c. With relevant code segments, explain two approaches to embed PHP script in HTML. **(06 Marks)**

Module-4

7 a. With data flow diagrams, explain the role of PHP's $_GET and $_POST arrays. **(08 Marks)**
  b. Explain procedural error handling and object oriented exception handing with suitable code segments. **(08 Marks)**

OR

8 a. Explain the support for inheritance in PHP with UML class diagram. **(08 Marks)**
  b. Explain three approaches to restrict the file size in file upload with suitable code segments. **(08 Marks)**

Module-5

9 a. With suitable PHP scripts, explain creating and reading Cookies. **(04 Marks)**
  b. With suitable examples, explain four basic jQuerry selectors. **(06 Marks)**
  c. With suitable script, explain loading and processing an XML document in JavaScript. **(06 Marks)**

OR

10 a. With suitable PHP scripts, explain checking session existence and accessing session state. **(06 Marks)**
  b. With suitable scripts, explain AJAX GET requests and POST requests. **(06 Marks)**
  c. With suitable code segments, explain converting a JSON string to JSON object in JavaScript and a PHP object in PHP. **(04 Marks)**

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