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II/IV B.Tech (Regular) DEGREE EXAMINATION

November, 2020   Common to CSE & IT
Fourth Semester   Web Technologies

Time: Three Hours   Maximum: 50 Marks
Answer Question No. 1 compulsorily. From PART-A   (1X10 = 10 Marks)

Answer ANY FOUR questions from PART-B   (4X10=40 Marks)

PART-A

1. Answer all questions   (1X10=10 Marks)
   a) What are the basic features of HTML5?   [CO1, L3, 1M]
   b) Give the purpose of BLOCKQUOTE.   [CO1, L3, 1M]
   c) What do you mean by character entity?   [CO2, L2, 1M]
   d) Give the syntax for CSS Document.   [CO2, L3, 1M]
   e) Differentiate position:absolute and position:relative properties. [CO2, L3, 1M]
   f) Difference between setTimeout() and setInterval() methods.   [CO2, L3, 1M]
   g) Define document object collection.   [CO3, L2, 1M]
   h) What are the properties of a node in document object model? [CO3, L2, 1M]
   i) Define Extensible Style Sheet Language Transformation.   [CO4, L3, 1M]
   j) What are the features of jQuery?   [CO4, L3, 1M]

PART-B

2. a) Explain how to organize the text using PRE, DIV, SPAN and TABLE elements with relevant examples.   [CO1, L3] 6M
   b) Create a web page with a link at the top of it, when clicked on it will jump to the bottom of the page. At the bottom of the page there should be a link to jump back to the top of the page. [CO1, L2] 4M

3. a) Describe different types of lists used in HTML with suitable examples. [CO1, L3] 5M
   b) Define Form. Write a HTML code for creating a registration form by covering any five controls of an input element in a form.   [CO1, L2] 5M

4. a) What are the objectives of using Cascading style sheet? Briefly explain about linking of external Style sheets and fixing the backgrounds.   [CO2, L2,L3] 5M
   b) Describe all dialog boxes used in java script with an example. [CO2, L2,L1] 5M

5. a) Explain about the following java script events with an example
      (i) Mouse events   (ii) Form events   [CO2, L2,L3] 6M
   b) Write a Java script program which describes simple animation. [CO2, L2] 4M

6. a) Write short notes on the properties and methods of document object and array object with suitable example.   [CO3, L3] 6M
   b) Write a java script program to display current day and time.   [CO3, L2] 4M

7. a) What is document object model? Describe the node tree structure of an HTML document with an example.   [CO3, L2,L3] 5M
   b) Write a JavaScript program to remove items from a dropdown list. [CO3, L2,L3] 5M

8. a) How XML is different from HTML? Explain in detail about internal and external DTD with an example.   [CO4, L2] 6M
   b) How to convert an XML document into HTML document? Explain with an example. [CO4, L1] 4M

9. a) How to send asynchronous HTTP request to a client?   [CO4, L3,L2] 5M
   b) Briefly explain the various methods of jQuery.   [CO4, L2] 5M