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20MCA23

Second Semester MCA Degree Examination, June/July 2023
Web Technologies

Time: 3 hrs.   Max. Marks: 100

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

Module-1

1   a. What is a web server? Explain its operation and characteristics.   **(10 Marks)**
    b. Explain the following :
       i) URL   ii) MIME   iii) HTTP   iv) Browser   v) Internet/Web   **(10 Marks)**

OR

2   a. List and explain, the basic Text markup with example   **(10 Marks)**
    b. With appropriate XHTML taps, create a registration form which contains labels, textboxes, Checkboxes, radio buttons, Submit and reset buttons.   **(10 Marks)**

Module-2

3   a. What is CSS ? Explain the different levels of CSS with example.   **(10 Marks)**
    b. List and explain variety of selector forms with example.   **(10 Marks)**

OR

4   a. Explain any 5 array methods used in Javascript.   **(10 Marks)**
    b. Write a XHTML document to Create the following form given in fig. Q4 (b) and Javascript code to calculate the area of the circle on click of the calculate-Aria button. Display the result on the result textbox.
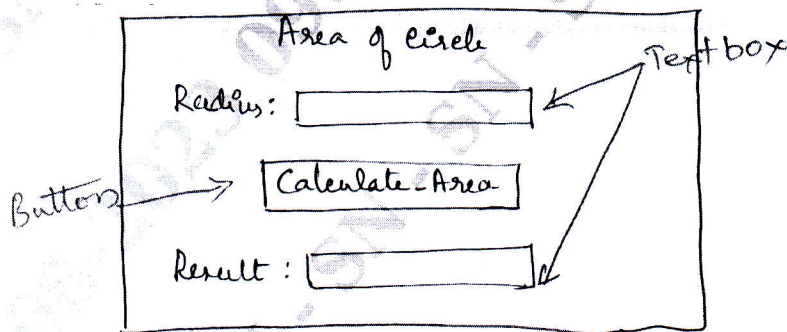

Fig. Q4(b)   **(10 Marks)**

Module-3

5   a. Define Bootstrap with a neat diagram, explain the overall Structures of Bootstrap   **(10 Marks)**
    b. Write a short note on the Grid System in Bootstrap.   **(10 Marks)**

OR

6 a   Explain the following with example with respect to Bootstrap:
   i) Button Groups   ii) Alerts.   **(10 Marks)**

   b.   Create a simple contact us form as Given in the fig. Q.6(b)

We would like to hear from you...!!
Name [   ]
Email Address [   ]
Tell Us [   ]
☐ Subscribe Us
[Post it]

Fig. Q.6 (b)   **(10 Marks)**

Module-4

7 a.   What is the need of JQuery ? Give the standard syntax of JQuery and explain with an example   **(10 Marks)**

   b.   What are Events ? Explain any five JQuery methods to handle events.   **(10 Marks)**

OR

8 a.   List and explain the different selectors used in JQuery.   **(10 Marks)**

   b.   Explain the various categories of "JQuery Effects" along with the methods under each category with an example each.   **(10 Marks)**

Module-5

9 a.   Define AngularJS. What are the features of AngularJS? Give the advantages of using AngularJS.   **(10 Marks)**

   b.   What are AngularJS Explain ? Explain with example.   **(10 Marks)**

OR

10 a.   Explain AngularJS controller with example.   **(10 Marks)**

   b.   What are AngularJS directive? Explain the four directives defined in AngularJS with example.   **(10 Marks)**

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