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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 : (10 Marks)
i) URL ii) MIME iii) HTTP iv) Browser v) Internet/Web

OR

- 2 a. List and explain, the basic Text markup with example (10 Marks)
b. With appropriate XHTML tags, 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.

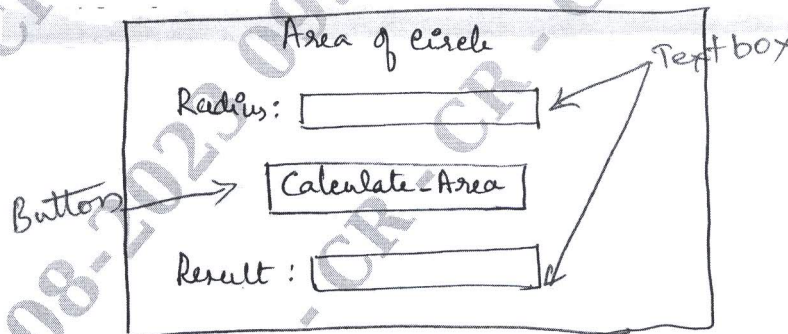


Fig. Q4(b)

(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)

The diagram shows a hand-drawn contact form with the following elements:

- Header: "We would like to hear from you...!!"
- Form fields: "Name", "Email Address", and "Tell Us" (a larger text area).
- Subscription: A checkbox labeled "Subscribe Us".
- Action: A button labeled "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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