

CBCS SCHEME

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18AI643

Sixth Semester B.E. Degree Examination, June/July 2023

Web Programming

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Describe the cascade principles used by CSS to deal with conflicts. (10 Marks)
- b. Discuss the three main aims to HTML5 and explain the elements and attributes of HTML. (06 Marks)
- c. Explain Ordered and Unordered list with examples. (04 Marks)

OR

- 2 a. With a neat diagram, briefly explain the concepts of box model. (10 Marks)
- b. Define CSS. List and explain the benefits of CSS. (06 Marks)
- c. List and explain the advantages of Semantic HTML Markup. (04 Marks)

Module-2

- 3 a. List the key advantages and disadvantages of GET and POST methods. Explain different form related HTML elements. (08 Marks)
- b. Explain liquid layout design for website with an example. List the advantages and disadvantages of fluid layout. (08 Marks)
- c. Explain how User's form input works. (04 Marks)

OR

- 4 a. Explain positioning elements in CSS. (08 Marks)
- b. Illustrate the process of microformats with an example. (08 Marks)
- c. Define responsive design. List four key components of responsive design. (04 Marks)

Module-3

- 5 a. Explain different server side technologies for creating web applications. (10 Marks)
- b. Explain JavaScript layers with neat diagram. (10 Marks)

OR

- 6 a. With suitable diagrams, explain PHP module in apache. Describe the role of apache threads in web application execution. (10 Marks)
- b. Briefly describe the document object model. (10 Marks)

Module-4

- 7 a. What are superglobal variables in PHP? Explain the \$_GET and \$_POST superglobal variables with examples. (10 Marks)
- b. Explain the concept of Inheritance in PHP. Draw an UML class diagram showing inheritance. (10 Marks)

OR

- 8 a. Explain with examples, the process of opening, reading and writing text files in PHP. (10 Marks)
- b. Explain classes and objects in PHP with an example. (10 Marks)

Module-5

- 9 a. Define Cookies. Explain the working of Cookies. (10 Marks)
- b. What is AJAX? Explain AJAX request by writing UML diagram. (10 Marks)

OR

- 10 a. Define jQuery. Explain jQuery selectors with the suitable example. (10 Marks)
- b. What is Caching? Explain two strategies used for Caching web applications. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.