USN | | | | | | | | | | | **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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