Seventh Semester B.E. Degree Examination, July/August 2022
Web Technology and Its Applications

Time: 3 hrs.   Max. Marks: 100

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

Module-1

1. a. Explain the structure of HTML document with an example. (08 Marks)
    b. Explain the following elements with example :
       (i) 'a'   (ii) img   (iii) P   (iv) h2 . (08 Marks)
    c. Write a HTML document to make an ordered list of your five favorite books. (04 Marks)

OR

2. a. Define CSS. Explain its benefits. (03 Marks)
    b. List and explain different selectors of CSS. (08 Marks)
    c. Explain the 3 different location of CSS styles with suitable examples. (09 Marks)

Module-2

3. a. Write a HTML document to display the following table:

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

(07 Marks)
    b. Explain different form widgets created with 'input' tag. (08 Marks)
    c. Explain how forms work with a neat diagram. (05 Marks)

OR

4. a. Explain how to construct multicolumn layouts using both positioning and floats. (10 Marks)
    b. Explain how to use absolute and relative positioning as a layout techniques in CSS with suitable examples. (10 Marks)

Module-3

5. a. Describe the 3 different ways of linking an HTML page to Javascript with examples for each. (04 Marks)
    b. Explain String and Date objects of Javascript with built-in functions. (08 Marks)
    c. Explain keyboard and mouse events supported by Javascript with examples. (08 Marks)

OR

6. a. Write a PHP program to greet the user based on time. (08 Marks)
    b. With a neat diagram, explain client and server side script execution. (08 Marks)
    c. Write a PHP program to keep track of number of visitors visiting the web page and to display this count of visitors with proper headings. (04 Marks)

Module-4

7   a.   Explain the following concept of object orientation in PHP with an example:
         (i)   Data encapsulation
         (ii)   Inheritance. *(08 Marks)*
    b.   List and define superglobal arrays. Design a PHP program to display the following information:
         (i)   IP address of requestor
         (ii)   Operating system and browser that client is using.
         (iii) Server software. *(04 Marks)*
    c.   Explain the different error handling methods of PHP, with suitable examples. *(08 Marks)*

OR

8   a.   Explain how the data will flow from HTML form to PHP and $_GET and $_POST arrays. Illustrate with example and diagram. *(07 Marks)*
    b.   Explain the different approaches to restrict the file size in the file upload with suitable snippets. *(06 Marks)*
    c.   Write a PHP program to create a class Person with the following specifications:
         Data members – Name, Age, Weight, Height
         Member functions – Readdata ( ) and Writedata ( ) *(07 Marks)*

Module-5

9   a.   Design and explain how to read and write a cookie with an example *(10 Marks)*
    b.   Define session state. Explain how session state works with a neat sketch *(10 Marks)*

OR

10 a.   Sketch and explain UML sequence diagram for AJAX request *(10 Marks)*
    b.   Describe how XML is processed in PHP and Javascript. *(10 Marks)*

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