USN ☐☐☐☐☐☐☐☐☐☐   **18CS63**

Sixth Semester B.E. Degree Examination, Dec.2024/Jan.2025
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 Anchor (a) tag to create wide range of links with suitable example. **(08 Marks)**
   b. Discuss the advantages of semantic HTML elements. **(06 Marks)**
   c. Write HTML code segment to display following context using list elements :
      1. Introduction
      2. Literature survey
      3. My solution - Methodology
                     - Results
      4. Conclusion. **(06 Marks)**

OR

2 a. What is CSS? Explain different location of styles with suitable example. **(06 Marks)**
   b. What is Selector? Explain any 4 selector with suitable example. **(06 Marks)**
   c. Discuss the cascading principles with examples. **(08 Marks)**

Module-2

3 a. Design the following table using HTML code :

Items	Details		Total Amount
	Units	Amount	
Computers	50000/-	2	100000
Projector	25000/-	3	75000
Total Amount			175000

(08 Marks)
   b. Explain basic form structure with suitable example. **(06 Marks)**
   c. Explain different types of button control elements. **(06 Marks)**

OR

4 a. Briefly explain any two positioning elements with suitable example. **(08 Marks)**
   b. What is Micro format? Explain with neat diagram. **(06 Marks)**
   c. Design 3 column layout using positioning and float property with suitable example. **(06 Marks)**

Module-3

5 a. What is client side scripting? Discuss its advantages and disadvantages. **(06 Marks)**
   b. List any four methods of DOM. Write the code segment to modify the context of HTML documents using DOM methods. **(08 Marks)**
   c. Write a Java Script code to calculate cubes of numbers from 0 to n. **(06 Marks)**

OR

6 a. List the keyboard events. Write Java script code segments to display key pressed in the keyboard on alert message. **(08 Marks)**

   b. List any six web server responsibilities. **(06 Marks)**

   c. Explain different types of parameters passing in PHP , with suitable example. **(06 Marks)**

Module-4

7 a. Discuss how arrays are different in PHP compare to other tradition programming languages. **(06 Marks)**

   b. Explain different file size restriction mechanism with suitable code segments. **(08 Marks)**

   c. Illustrate data flow from HTML form to PHP. **(06 Marks)**

OR

8 a. Implement a PHP code to create a class with following specification :
       Data members : E_name , E_No , DOB , Salary
       Member functions : Read , Write.
       Use the above specification to read and write the 2 employee information. **(08 Marks)**

   b. What is Interface? Discuss the implementation of Interface with suitable example. **(06 Marks)**

   c. Explain static member with suitable example. **(06 Marks)**

Module-5

9 a. What is Cookies? Write PHP code segment to read and write cookies. **(06 Marks)**

   b. Discuss how web storages are better than cookies. Write PHP code segment to read from webstorage. **(08 Marks)**

   c. What is Caching? Explain page output caching with neat diagrams. **(06 Marks)**

OR

10 a. Write PHP code segment to convert JSON string into PHP object. **(06 Marks)**

   b. Explain MVC frame work with neat diagram. **(08 Marks)**

   c. What is AJAX? Explain how the asynchronous request is handled with suitable diagram. **(06 Marks)**

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