

# CBCS SCHEME



17CS71

## 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		

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

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.

**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 array? Illustrate with example and diagram. (07 Marks)
- b. Explain the different approaches to restrict the file size in the file upload with suitable code 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)

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**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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