

# CBCS SCHEME

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15CS71

Seventh Semester B.E. Degree Examination, Jan./Feb. 2021

## Web Technology and its Applications

Time: 3 hrs.

Max. Marks: 80

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

### Module-1

- 1 a. What is HTML? Explain the structure of HTML documents. (06 Marks)  
b. Explain the following HTML elements with example : i) images ii) list. (04 Marks)  
c. Write the division <div> based HTML semantic structure elements. (06 Marks)

OR

- 2 a. Define CSS. Explain the location of styles. (08 Marks)  
b. Illustrate the CSS Box model besuge to label each of the components of the box. (04 Marks)  
c. What are class sectors and id selectors? (04 Marks)

### Module-2

- 3 a. Explain the basic table structure. Create an HTML document for the Fig.Q3(a). (06 Marks)

Fig.Q3(a)

ONE	TWO	
	THREE	FOUR

- b. With the sample HTML form, explain how forms work. (06 Marks)  
c. List the various form-related HTML elements. (04 Marks)

OR

- 4 a. Explain positioning elements in CSS. (08 Marks)  
b. What is responsive design? Explain the four key components that make responsive design work. (08 Marks)

### Module-3

- 5 a. What is Javascript? Explain the advantages and disadvantages of client side scripting. (04 Marks)  
b. How Javascript can be linked to an HTML. (04 Marks)  
c. Briefly describe the document Object Model. (08 Marks)

OR

- 6 a. What are javascript events? Explain Event Handler approaches and Even Types. (08 Marks)  
b. Define PHP? Explain the PHP quote usage and concatenation approaches. (08 Marks)

### Module-4

- 7 a. Define Array. Briefly explain the array operations in PHP with example. (06 Marks)  
b. Illustrate how data will flow from HTML form to PHP \$\_GET and \$\_POST array. (06 Marks)  
c. Write a note on \$\_SERVER Array. (04 Marks)

OR

- 8 a. Define class. Describe the accessibility of a class member. (06 Marks)  
b. Explain three main error reporting flags. (06 Marks)  
c. Write a note on PHP error and exception handling. (04 Marks)

### Module-5

- 9 a. What are cookies? Explain how it works. (08 Marks)  
b. What is caching? Explain two basic strategies of caching web application. (08 Marks)

OR

- 10 a. Write a note on Arynchronous file transformation. (04 Marks)  
b. What is XML? Write the syntax rule for XML. (04 Marks)  
c. Describe how XML processing in PHP and Javascript. (08 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.