

# GBCS 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 Aynchronous 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.