



CBCS SCHEME

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17CS71

Seventh Semester B.E. Degree Examination, June/July 2024 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 3 principles of cascade with script segment. (06 Marks)
- b. List and explain 3 aims of HTML. (06 Marks)
- c. Discuss HTML semantic structure elements. (08 Marks)

OR

- 2 a. Define CSS. Explain the benefits of CSS. (06 Marks)
- b. Explain any 3 selectors with respect to CSS. (06 Marks)
- c. Explain two types of URL referencing techniques with suitable script in HTML5. (08 Marks)

Module-2

- 3 a. Explain liquid crystal layout design. (06 Marks)
- b. Explain different form widgets created with <input> tag. (06 Marks)
- c. Explain the following concerned with forms:
 - i) Form control elements
 - ii) Form structure. (08 Marks)

OR

- 4 a. Define Responsive design and its importance. Explain in detail. (06 Marks)
- b. Differentiate between relative and absolute positioning. (06 Marks)
- c. List and explain different approaches to CSS layouts. (08 Marks)

Module-3

- 5 a. Explain client and server script execution with neat diagram. (06 Marks)
- b. Explain if..... else in PHP with proper syntax and example program. (06 Marks)
- c. Discuss the advantages and disadvantages of client-side scripting. (08 Marks)

OR

- 6 a. Explain the following Javascript constructs:
 - i) Comparison operator (06 Marks)
 - ii) Logical operator (06 Marks)
 - iii) For loop. (08 Marks)
- b. Explain functions in PHP. (06 Marks)
- c. Write a Javascript code that displays text "2017 scheme" with increasing font size in intervals of 50ms in red colour, when the font size reaches 100 points it should stop. (08 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 exceptions and errors in PHP. (06 Marks)
b. Explain classes and objects with respect to PHP along with syntax. (06 Marks)
c. Define super global arrays. List and explain. (08 Marks)

OR

- 8 a. Explain the main error reporting flag in PHP. (06 Marks)
b. Explain the support for inheritance in PHP. (06 Marks)
c. Illustrate how data will flow from HTML form to PHP \$-GET and \$-POST array. (08 Marks)

Module-5

- 9 a. Explain why state is a problem for web applications. (06 Marks)
b. Explain basic JQuery selectors with appropriate example. (06 Marks)
c. Demonstrate XML processing in PHP and Javascript. (08 Marks)

OR

- 10 a. Define Cookie. Demonstrate cookie with PHP program. (06 Marks)
b. Explain serialization and session state. (06 Marks)
c. Define caching. Explain basic strategies of caching web applications. (08 Marks)
