

CBCS SCHEME

Srinivas Institute of Technology
Library, Mangalore

USN

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15CS71

Seventh Semester B.E. Degree Examination, June/July 2023 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. Explain the different URL relative referencing types with examples. (08 Marks)
b. Explain the HTML 5 semantic structure elements. (08 Marks)

OR

- 2 a. List and explain any three different selector forms supported in CSS. (08 Marks)
b. What are the three cascade principles used by browsers when style rule conflict? Briefly describe each. (08 Marks)

Module-2

- 3 a. Create a table that correctly uses the caption, thead, tfoot and tbody elements. Briefly discuss the role of each of these elements. (08 Marks)
b. Create a suitable form by using the following form control elements. Give the display:
(i) Checkbox (ii) Radio button (iii) Text
(iv) Password (v) Select list (vi) Text area (08 Marks)

OR

- 4 a. Explain absolute and relative positioning elements with an example. (08 Marks)
b. Briefly describe the 2 ways to construct multicolumn layouts in CSS. (08 Marks)

Module-3

- 5 a. What are the different ways that a Java script can be linked to an HTML page? (06 Marks)
b. Discuss the various event types in Java script. Give examples for each. (08 Marks)
c. How does one access a particular HTML tag through Java script? (02 Marks)

OR

- 6 a. Identify and briefly describe atleast four different server side development technologies. (06 Marks)
b. Describe the differences between the multithread and multi-process setup of the PHP in Apache. (04 Marks)
c. What are server side include files? Why are they important in PHP? (06 Marks)

Module-4

- 7 a. What are super global variables in PHP? (06 Marks)
b. How do you read or write a file on the server using PHP? (06 Marks)
c. Explain the process of sanitizing user inputs. (04 Marks)

OR

- 8 a. Explain the role of an interface in object oriented programming. (08 Marks)
b. What are the 3 error reporting flags? How are expected errors different from warnings? (08 Marks)

Module-5

- 9 a. How can we pass information in HTTP using query string and URL path? (08 Marks)
b. Describe the 2 models for page caching. (08 Marks)

OR

- 10 a. Why are prototypes more efficient than other techniques for creating classes in Java script? (08 Marks)
b. What is XPath? How can it be used in web development? (08 Marks)
