



CBCS SCHEME

17CS71

Seventh Semester B.E. Degree Examination, July/August 2021 Web Technology and It's Applications

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

1.
 - a. What are HTML Elements and Attributes? Explain. (06 Marks)
 - b. Explain the different Relative Link Type Referencing with suitable example. (08 Marks)
 - c. What is CSS? List and explain benefits of CSS. (06 Marks)

2.
 - a. Explain ordered and unordered list with example. (05 Marks)
 - b. With an example explain CSS Box model. (08 Marks)
 - c. List the different selectors available in CSS and explain in detail. (07 Marks)

3.
 - a. Create a table that correctly uses the caption, thead, tfoot and tbody elements. Briefly discuss the role of each of these elements. (10 Marks)
 - b. What is a responsive design? Why it is important? (05 Marks)
 - c. Explain how rowspan and colspan attributes are used? (05 Marks)

4.
 - a. Describe how block level elements are different from inline elements. Be sure to describe any two different types of inline elements with simple example. (10 Marks)
 - b. In what situations would you use a radio button and a checkbox? With an example explain briefly. (05 Marks)
 - c. Explain the role of CSS preprocessors in the web development workflow. (05 Marks)

5.
 - a. Define software layer? Explain the various common software design layers in Javascript with a neat diagram. (08 Marks)
 - b. What are form events in Javascript? List and explain different form events. (05 Marks)
 - c. Demonstrate the use of inline, external and embedded Javascript with an example for each. (07 Marks)

6.
 - a. What is Fail-Safe design and why does it matters? (04 Marks)
 - b. Explain Document Object Model. Demonstrate the DOM tree with an example. (08 Marks)
 - c. What are server-side include files? Why are they important in PHP? (08 Marks)

7.
 - a. What are the superglobal arrays in PHP? What function is used to determine if a value was sent via Query string? (10 Marks)
 - b. How do you read or write a file on the server from PHP? Explain with suitable example. (10 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.

- 8 a. Define Class and Object. Interpret the concept of data encapsulation, Inheritance, Polymorphism and Object interface with respect to OOP. (10 Marks)
b. Explain `_construct()` and `_destruct()` with example or each. (10 Marks)
- 9 a. What are HTTP Cookies? How do you handle them in PHP? (08 Marks)
b. Why is state is a problem for web application? Explain. (08 Marks)
c. What does `$()` shorthand stand for in jQuery? (04 Marks)
- 10 a. Explain how sessions stored between requests. (05 Marks)
b. Write a jQuery selector to get all the `<P>` that contain the word "Hello". (05 Marks)
c. What are the commonly used animations in jQuery? Explain with suitable example. (10 Marks)

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