

CBCS SCHEME

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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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