

CBCS SCHEME

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18CS63

Sixth Semester B.E. Degree Examination, June/July 2024

Web Technology and Its Application

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain five different forms of URL relative referencing with suitable script segments and folder tree structure. (10 Marks)
- b. Explain three different types of author created CSS rules with suitable script segments. (10 Marks)

OR

- 2 a. Justify the need for semantic elements in HTML. Explain the role of the following semantic elements with script segments. <article>, <nav>, <section> <aside>, <figure>. (10 Marks)
- b. Justify the need for CSS selectors in stapling. Explain the following selectors with syntax and script segments class, Id, pseudo, contextual, attribute. (10 Marks)

Module-2

- 3 a. Explain the role of Table header, table row span, table column span, table footer and column graph elements with suitable HTML script. (10 Marks)
- b. Explain the role of CSS clear, visibility, display, z-index and float properties with suitable CSS segments to each. (10 Marks)

OR

- 4 a. Explain the following HTML user interface (UI) controls with examples hidden, file, number, check box and select list. (10 Marks)
- b. Explain the key components of responsive wet design with suitable code segments. (10 Marks)

Module-3

- 5 a. Explain three different ways of linking JavaScript to HTML page with suitable code segments. (10 Marks)
- b. Explain two approaches for event handling in JavaScript with suitable code segments. (10 Marks)

OR

- 6 a. Explain DOM tree and its node types. With syntax explain the role of four DOM methods with examples. (10 Marks)
- b. With a block diagram, explain the components and sequence of events during the execution of PHP script with Zed engine. (10 Marks)

Module-4

- 7 a. Explain procedural and object oriented error handling mechanisms in PHP with code segments. (10 Marks)
- b. Develop HTML JavaScript and PHP code required for file uploads. (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.

OR

- 8 a. With suitable code segments and UMC class diagram, explain the support for inheritance in PHP. (10 Marks)
- b. Explain reading/Writing of files with stream access and in-memory access methods. (10 Marks)

Module-5

- 9 a. Explain append(), prepend(), prependTo() and Wrap() methods to modify DOM in jQuery with code segments. (08 Marks)
- b. Explain two types of cookies. Develop a code in PHP to create and access cookies. (06 Marks)
- c. Explain JSON processing in PHP with code segments. (06 Marks)

OR

- 10 a. Explain session state with an example. With code segments, explain accessing session state and check for session existence. (08 Marks)
- b. Explain AJAX Post requests with syntax and code segment. (06 Marks)
- c. Explain XML processing in JavaScript with suitable code segments. (06 Marks)
