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17CS71

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 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. Describe the concept of semantic markup in HTML. (07 Marks)
b. Explain with an example, how different links can be created in HTML? (07 Marks)
c. Define character entities. Explain any five character entities with an example. (06 Marks)

OR

- 2 a. Demonstrate different levels of styles sheets with an illustrative example. (06 Marks)
b. Explain any six selectors with an example. (06 Marks)
c. Explain following with an example
i) overflow ii) @font-face iii) font iv) padding. (08 Marks)

Module-2

- 3 a. Create HTML document to display below table :

A Demographic data

Any Image	Average		Red Eyes
	Height	Weight	
Male	1.9	0.003	40%
Female	1.7	0.002	43%

- b. Explain following with code
i) Cell spacing ii) Cell padding iii) thead iv) tfoot (08 Marks)
c. Write HTML code to create following control widgets on HTML Form.
i) Submit button ii) Progress bar iii) Search box
iv) File choose v) Color pallete vi) Date and Time. (06 Marks)

OR

- 4 a. Explain possible ways of positioning elements using CSS. (04 Marks)
b. Explain following with an example
i) z-index ii) float iii) display iv) visibility. (08 Marks)
c. Demonstrate possible ways to construct multicolumn layouts using CSS. (08 Marks)

Module-3

- 5 a. Define client side scripting. Explain importance of client side scripting (04 Marks)
b. Explain the following with example
i) DOM Tree ii) Element Node iii) Text Node
iv) Attribute Node v) Document object. (10 Marks)
c. Create HTML document consists login form with user name and password fields. Validate the form data before submitting by using client side scripting. (06 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

- 6 a. Explain possible methods to access HTML elements by Javascript with example. (06 Marks)
 b. With neat diagram, explain how Apache modules and PHP are interfaced and interacted. (06 Marks)
 c. Write PHP script to find an element by using binary search technique. (08 Marks)

Module-4

- 7 a. List super global arrays in PHP. Write PHP script to display server information (Name, Address, Software, Protocol and Time of request). (06 Marks)
 b. Explain with an example different ways of restricting file size. (09 Marks)
 c. Explain following with an illustrative example
 i) Shuffle () ii) in_array() iii) array_walk() iv) isset() v) print_r(). (05 Marks)

OR

- 8 a. Create HTML document consist option to upload file. Write PHP script to receive file and display name, type and size of the file. (08 Marks)
 b. Explain different type of possible errors that occurs in PHP. (06 Marks)
 c. Different between two mechanisms of runtime errors with an illustrative example. (06 Marks)

Module-5

- 9 a. Define JQuery. Explain JQuery selectors with suitable code. (08 Marks)
 b. With neat diagram, explain SOAP web services. (06 Marks)
 c. Write JavaScript to process an XML documents. (06 Marks)

OR

- 10 a. Explain the following .
 i) Persistent cookies
 ii) Serialization
 iii) Web Storage
 iv) Passing information via Query string. (08 Marks)
 b. Explain in detail AJAX request with UML sequence diagram. (06 Marks)
 c. Explain process of converting JSON string to JavaScript object and PHP object with code. (06 Marks)
