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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%

(06 Marks)

   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)**

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)

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