

**VIT**

Vellore Institute of Technology

Chartered for the 1st year of the 1st semester, 2019-2020

Programme Name & Branch: B.Tech - CSE

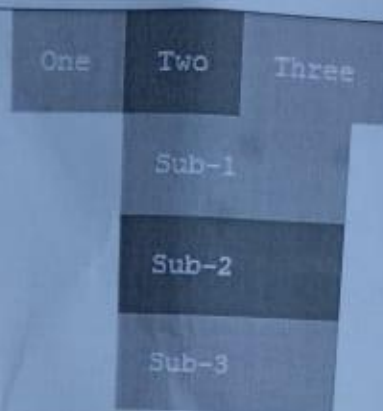
Course Name & Code: Internet and Web Programming CSE3002

Class Number: 2842 Slot: F1

Exam Duration: 90 Mins

Maximum Marks: 50

| S.No. | Answer all the Questions |
|-------|---|
| 1. | <p>a. Inspect the code below and clarify each line in detail. (5)</p> <pre>GET /index.html HTTP/1.1 Host: www.example.com User-Agent: Mozilla/5.0 Accept: text/html, */* Accept-Language: en-us Accept-Charset: ISO-8859-1, utf-8 Connection: keep-alive</pre> |
| | <p>b. Expand MIME, URI, URL, URN, and XML. Add a note on each. (5)</p> |
| 2. | <p>a. Write HTML code for the form given below. Perform HTML5 validation for password field with atleast one uppercase letter, one lowercase letter, one number, and one special character. Also make all the fields mandatory. (6)</p> <p>Registration Form</p> <p>Name <input type="text"/></p> <p>Password <input type="password"/></p> <p>Email <input type="text"/></p> <p>Gender <input type="radio"/> Male <input type="radio"/> Female</p> <p>Interested in <input type="text" value="Designing Coding Analysis"/></p> <p>Agree Terms & Conditions <input type="checkbox"/></p> <p><input type="button" value="Submit"/></p> |
| | <p>b. In what ways, one can add CSS properties in a HTML document. Provide necessary code to support your answer. (4)</p> |
| 3. | <p>Using CSS to create a Menu as shown below. The list containing items One, Two, and Three. The sub list containing list items Sub-1, Sub-2, and Sub-3 should be displayed only when the user hovers the cursor over the list Item Two. There should be a background color transition whenever the user hovers over any of the menu items. Provide both HTML and CSS code</p> |



a. The World-Wide-Web is a *client-server* system that runs over the Internet. The architecture of World-Wide-Web applications is typically either *two-tier* or *three-tier*. Explain each of the italicized terms in the context of the above two statements. (5)

b. Ask the user for the name of the company that developed the JavaScript language. Alert the user when he or she is wrong, and then keep asking the user until he or she gets the correct answer. When the user gets it right, confirm it. (Note: Use javascript) (5)

a. Use appropriate JavaScript array object methods to script the following

- Search an element in an array
- Add and remove elements from the end of an array
- Print 1st two elements of an array
- Join two arrays
- Add and remove elements at the beginning of an array.

(5)

b. With necessary code, explain the two ways (Function() Constructor and Function Literals) to define functions other than the basic *function* statement in javascript. (5)