

Register Number 195001076

Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Computer Science and Engineering

Continuous Assessment Test – I

Question Paper

Degree & Branch	B.E Computer Science and Engineering			Semester	VI
Subject Code & Name	UCS1601 – Internet Programming			Regulation:	2018
Academic Year	2021-2022 (Even)	Batch	2019-2023	Date	30.03.2022
Time: 90 Minutes	Answer All Questions			Maximum: 50 Marks	

Part – A (6×2 = 12 Marks)

<KL3>	1. Identify the pattern to obtain the telephone number from user that matches ### - ### - ####.	<CO1>
<KL2>	2. Explain rule cascading.	<CO1>
<KL2>	3. Show how responsive layout is achieved in HTML.	<CO1>
<KL3>	4. For the following JavaScript code snippets identify outputs. Provide the appropriate reasoning. Code Snippet 1: var z= 312 + 2 + "SSN"; console.log(z); Code Snippet 2: var z= "SSN" + 312 + 2; console.log(z);	<CO2>
<KL2>	5. Identify various parts of the URL given below and explain whether that part of the URL is mandatory or optional. Write the same URL for a secured way of communication with the appropriate protocol. http://www.webtutorials.com:80/webbasics/webservers.html	<CO1>
<KL3>	6. Develop an external JavaScript code to search for a word "HOME" in the given string and replace it with "SSN". The string could be initialized in the program.	<CO2>

Part – B (3×6 = 18 Marks)

<KL2>	7. Outline the structure of HTTP Request and Response with a neat diagram.	<CO1>
<KL3>	8. Consider a web page which looks like the content below. When the webpage is loaded, the ordered list contents of the page alone are to be displayed. Only after hovering on the ordered list, display its unordered items. i.e. Initially, hide the contents of unordered list. Develop the web page for this scenario.	<CO1>

	<p>1. Website Structure</p> <ul style="list-style-type: none"> ▪ Linear ▪ Tree ▪ Web linked ▪ Hybrid <p>2. Website Type</p> <ol style="list-style-type: none"> i. Static ii. Dynamic 	
<KL3>	<p>9. a. Consider the code snippets given below.</p> <p>Code snippet in the stylesheet:</p> <pre>h1 {color: white} h1.ICCIDS {color:yellow} h1.SSN {color:blue} h1.CSE {color:red}</pre> <p>Code Snippet in the HTML file:</p> <pre>< h1 class= "ICCIDS SSN CSE">Hello1</h1> < h1 class= "SSN CSE ICCIDS">Hello2</h1></pre> <ol style="list-style-type: none"> i) Identify the colors of the word "Hello1" and "Hello2" in h1 tags? ii) Open the CSS file and move the h1.ICCIDS rule to the bottom of the file. Identify the color of the content in the h1 tag for the following: <pre>< h1 class= "CSE ICCIDS SSN"></pre> <p>b. Develop a webpage by including a video that will automatically play when the page is getting loaded.</p>	<CO1>

Part – C (2×10 = 20 Marks)

<KL3>	<p>10. Develop a CSS file for the following HTML snippet using appropriate Selectors.</p> <pre><p class="language" id="lang" > C is a procedural programming language. It was initially developed by Dennis Ritchie as a system programming language to write operating system. The main features of C language include low-level access to memory, simple set of keywords, and clean style, these features make C language suitable for system programming like operating system or compiler development. </p></pre> <ol style="list-style-type: none"> i) Write a rule that would display the above paragraph, and all other paragraphs in the same html file, to appear in font size 14. ii) Write a rule that would display the above paragraph, and all other paragraphs in the same class to appear in italic type. iii) Write a rule that would display a blue coloured border only for the above paragraph. iv) Write a rule that would display "C" in red colour only for the above paragraph. v) Write a rule that would display text shadow effect only for the above paragraph. 	<CO1>
(OR)		

<KL3>	<p>11. Develop a workshop registration form using HTML form elements.</p> <ul style="list-style-type: none"> i) Obtain user's name, gender, e-mail address, DOB, phone number. ii) E-mail address should be validated such that the email address is a string separated into two parts by @ symbol. iii) DoB should be validated such that it follows the pattern DD/MM/YYYY iv) Gender should be designed with radio button for a) Male, b) Female c) Not interested in revealing. v) Place the optional survey question in the <i>details</i> element, where the user can expand the element to see the question. 	<CO1>
<KL3>	<p>12. Construct a JavaScript to read names and marks of 5 students from the user, using the window prompt. Calculate the grade based on the ranges given below. Print the names and grades of those 5 students in the table format.</p> <p style="margin-left: 40px;"> mark>90 grade= "A" mark between 80 and 90 grade= "B" mark between 70 and 80 grade= "C" mark between 60 and 70 grade= "D" mark between 50 and 60 grade= "E" mark between < 50 grade= "E" </p>	<CO2>
(OR)		
<KL3>	<p>13. Construct an external JavaScript to replace an image element with an id "click me" with the following.</p> <p>The image should be replaced with a prompt window to get a lucky number from the user. After submitting the lucky number through a button click, the system should display the lucky color for the user.</p>	<CO2>
