P P SAVANI UNIVERSITY

First Semester of B.Sc IT Examination
December 2022
SSIT1020 Web Application Design

02.12.2022, Friday   Time: 1:00 p.m. To 3:30 p.m.   **Maximum Marks: 60**

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION – I

			CO	BTL
Q - 1	Answer the following (Any Five)	[05]		
(i)	Write the Full form of CDN is _____.		1	1
(ii)	Write the syntax of function in JavaScript _____.		1	1
(iii)	Write full form of HTML.		1	1
(iv)	List out various applications of web applications.		1	1
(v)	State true or false. CSS stands for Complete Style Sheet.		1	1
(vi)	_____ function is used for showing random numbers on screen using JavaScript.		1	1
(vii)	State True or False. Loops cannot be used in JavaScript.		2	2
Q - 2 (a)	Explain following terms in detail with example. 1. Floor 2. Ceil	[05]	2	4
Q - 2 (b)	Explain HTML tags and attributes with example.	[05]	1	2
	OR			
Q - 2 (a)	List and explain the different steps for planning a website.	[05]	1	4
Q - 2 (b)	Write a JavaScript code to find the maximum out of three numbers.	[05]	3	3
Q - 3 (a)	Explain various types of math functions in detail.	[05]	2	2
Q - 3 (b)	Write the various ways of writing JavaScript code in head, body and external file.	[05]	2	2
	OR			
Q - 3 (a)	Show how HTTP request and responses are handled with respect to web server.	[05]	3	3
Q - 3 (b)	Why do you need validation? Show the use of regular expression in JavaScript to validate the email address with example.	[05]	3	3
Q - 4	Attempt any one/two.	[05]		
(i)	Write a program to convert Celsius to Fahrenheit in JavaScript. F=C*(9/5)+32.		4	5
(ii)	Explain the bootstrap classes: .caret, .list-group, .text-justify.		4	5

SECTION – II

			CO	BTL
Q - 1	Answer the following (Any Five)	[05]		
(i)	Write full form of HTTP.		1	1
(ii)	Write full form of CSS.		1	1
(iii)	Which tag is used to add a row in a table.		1	1
(iv)	Which tag is used for inserting superscript in HTML		1	1
(v)	Which tag is used for inserting subscript in HTML		1	1
(vi)	Write the tag for inserting comment in HTML		1	1

(vii)	Is JavaScript a case sensitive language? State true or false			2	2
Q - 2 (a)	Explain Document Object Model in JavaScript	[05]		2	5
Q - 2 (b)	Explain how to use of ordered lists and unordered lists in HTML	[05]		4	5

OR

Q - 2 (a)   Write the HTML code for creating the following table   [05]   4   5

Q - 2 (b)	Explain the difference between checkbox and radiobutton. Write the HTML code for inserting checkbox and radio button in a form.	[05]		3	4
Q - 3 (a)	Explain the various ways of using CSS code in HTML code	[05]		2	4
Q - 3 (b)	Explain the properties of setting margins using CSS.	[05]		4	6

OR

Q - 3 (a)	Write a JavaScript code to print the length of the string	[05]		2	5
Q - 3 (b)	Explain how to use functions in JavaScript with example	[05]		2	6
Q - 4	Attempt any one/two.	[05]			
(i)	Explain the benefits of using Bootstrap			4	6
(ii)	Explain button styles in Bootstrap			4	6

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CO   : Course Outcome Number   BTL   : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create