Reg.No.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)
School of Computing
Department of Computer Science and Engineering

VTU R21

MODEL LAB EXAM
B.Tech. - CSE

Course Category	: Program Core	**Max. Marks**	: 20
Course Code/Title	:10211CS212/ Web and Mobile Application and Development	**Date of Test**	:07.09.2023/AN
Semester	: Summer 2023-24	**Time**	: 01.45 to 3.45 p.m.

Achievable Course Outcomes

CO Nos	CourseOutcomes	K -Level
CO1	Design web applications using Hypertext Mark-up Language and Cascading style sheets through bootstrap.	K3
CO2	Build the interactive and dynamic web page using Java Script Technology.	K3
CO3	Implement the server-side business logic to handle client request using NodeJS and PHP.	K3
CO4	Make use of MVC framework for integrating the window controls and its corresponding actions through event handlers.	K3
CO5	Transform the function as Microservice components to enhance the Reusability concept.	K3

SL.No	Tasks	Marks	Course Outcome	K – Level
1.	Construct a student workshop registration form using the HTML5and CSS with the following fields: Name, Department,Gender, Mobile Number, City (Chennai, Bangalore, Hyderabad), and Webinar Title (Cloud, Big data) are required. Students can select any one title or both titles.	20	CO1	K3
2.	Develop a home page for a University website using Bootstrap with college logo (use various image classes), department names (use grid classes) and cultural activities timings (use various table classes).	20	CO1	K3
3.	Develop the Student Registration form with the following information: Student Name, VTU Number, Department, Year, Student Mobile Number, E-mail ID, Password Use Java Script event handling and form validation to display an error message using alert boxes whenever his VTU number is not 5 digits, he forgot to fill in his name, department, and year, his mobile number is not 10 digits, and his email address and password	20	CO2	K3

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	are not in the correct format.			
4	Mr. Ram wants to Parse the web page to get the required information entered by their client. Kindly help her to write the coding to do so using JQuery and DOM Traversing.	20	CO2	K3
5.	Construct a Course registration form using the HTML5 and CSS with the following fields: Name, Department, Gender, Mobile Number, City (Chennai, Bangalore, Hyderabad), and Course Title (AI, ML) are required. Students can select any one title or both titles.	20	CO1	K3
6.	Develop a home page for a Jewelers website using Bootstrap with Shop logo (use various image classes), Ornament names (use grid classes) and Various Models of struts (use various table classes).	20	CO1	K3
7.	Develop the Employee Registration form with the following information: Student Name, Emp Number, Department, Year, Mobile Number, E-mail ID, Password Use Java Script event handling and form validation to display an error message using alert boxes whenever his EMP number is not 4 digits, he forgot to fill in his name, department, and year, his mobile number is not 10 digits, and his email address and password are not in the correct format.	20	CO2	K3
8.	Mr. Sam wants to Parse the web page to get the required information entered by their client. Kindly help her to write the coding to do so using JQuery and DOM Traversing.	20	CO2	K3
9.	Construct aEB Line registration form using the HTML5 and CSS with the following fields: Name, Address, Gender, Mobile Number, Phase required (Single, Three), and Connection type (Domestic, Commercial) are required. User can select any one type or both types.	20	CO1	K3
10.	Develop a home page for a Non veg Restaurant website using Bootstrap with Food logo (use various image classes), different dishes (use grid classes) and Price of food items (use various table classes).	20	CO1	K3
11.	Develop the Hostel Registration form with the following information: Name, VTU Number, Department, Year, Student Mobile Number, E-mail ID, Password, Room type Use Java Script event handling and form validation to display an error message using alert boxes whenever his VTU number is not 5	20	CO2	K3

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	digits, he forgot to fill in his name, department, and year, his mobile number is not 10 digits, and his email address and password are not in the correct format.			
12.	Mr. Raj wants to animate elements on a web page Kindly help him to write the coding to do so using jQuery and DOM Traversing.	20	CO2	K3
13.	Construct a Travel registration form using the HTML5 and CSS with the following fields: Name, Address, Gender, Mobile Number, City (Chennai, Bangalore, Hyderabad), and Travel Mode (Train, Flight) are required. Students can select any one travel mode or both modes.	20	CO1	K3
14.	Develop a home page for a IPL 2023 website using Bootstrap with IPL logo (use various image classes), Various Players (use grid classes) and Match Schedule (use various table classes).	20	CO1	K3
15.	Develop the Health Insurance Registration in a company form with the following information: Employee Name, Emp Number,No.of.family members Department, Year, Mobile Number, E-mail ID, Password Use Java Script event handling and form validation to display an error message using alert boxes whenever his EMP number is not 5 digits, he forgot to fill in his name, department, and year, his mobile number is not 10 digits, and his email address and password are not in the correct format.	20	CO2	K3
16.	Mr. Sai reddywants to select elements on a web page Kindly help him to write the coding to do so using JQuery and DOM Traversing.	20	CO2	K3
17.	Construct a student webinar registration form using the HTML5 and CSS with the following fields: Name, Department, Gender, Phone Number, City (Chennai, Bangalore, Hyderabad), and Webinar Title (ML, DL) are required. Students can select any one title or both titles.	20	CO1	K3
18.	Mr.Hari wants to create a website that contains a home page, sign up and login page for clinic management system. Create a website using HTML and Bootstrap Framework.	20	CO1	K3
19.	Develop a home page for a college website using Bootstrap with college logo (use various image classes), department names (use grid classes) and cultural activities timings (use various table classes).	20	CO1	K3
20.	Develop the Student Registration form with the following information:	20	CO2	K3

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No.	Question	Marks	CO	K
	Student Name, VTU Number, Department, Year, Student Phone Number, Mail ID, Password			
	Use Java Script event handling and form validation to display an error message using alert boxes whenever his VTU number is not 5 digits, he forgot to fill in his name, department, and year, his mobile number is not 10 digits, and his email address and password are not in the correct format.			
21.	The University wants to create a dynamic page holding an event or conference. People who are interested in attending the conference create a register button for them. By clicking on register button, using onload event a form have to load for registration with following details such as Team name, Department, College Name (select from dropdown list), Team members details with name, category of members, paper title, payment details (bank information), Abstract Submission (Text Area), Phone Number, Email id, Address for communication, terms and conditions and place submit button at the end of the form. By Clicking on Submit button, details should be submitted and display the user information with message "successfully registered".	20	CO2	K3
22.	Ms. Sita wants to Parse the web page to get the required information entered by their client. Kindly help her to write the coding to do so using JQuery and DOM Traversing.	20	CO2	K3
23.	The government wants to get the required information from people about their symptoms to check whether the people are infected by corona virus or not. Design the form to get the above information using tags such as input tag, select tab, label tag, dropdown list, checkbox, radio and submit button. Use JavaScript code to validate the input.	20	CO2	K3
24.	Mr. Hari wants to create a simple web server to generate a dynamic response. Help himto create the server using HTTP module and Node JS.	20	CO3	K3
25.	Mr. Ramesh wants to read the content of the website through the web server. Help him by using Node JS.	20	CO3	K3
26.	Ms. Sony wants to create customized event and assign event handler to it.Helpher by using Node JS.	20	CO3	K3
27.	Ms.Meena wants to Parse the web page to check if an element has a child node, if it has a child node then remove that child node.Help her to write the codeby using DOM Traversing.	20	CO2	K3
28.	Ms.Moni wants togradually changes the opacity, for selected elements, from hidden to visible in her webpage.Help her to write the codeby using JQuery effects.	20	CO2	K3

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29.	Ms.Pooja wants tobring customized animation effect in her webpage.Help her to write the codeby using JQuery effects.	20	CO2	K3
30.	Design a hospital website using HTML5 and CSS3 that provides information about the hospital's services and allows patients to book appointments online. The website should consist of a homepage with a navigation menu, sections for services and specialties, and an appointment booking form.	20	CO1	K3

EXAMINER 1   **EXAMINER 2**