me : BTech. CSE	Semester	: Win Semester 2023-24
: Internet and Web ~~Technology~~ Programming	Code	: BCSE404L
	Class Nbr	: CH2023240501762/CH2023240501779/CH2023240501765/CH2023240501769
: Dr. Sandhya P/Dr. Saravanan P/Dr. Rama Parvathy L/Dr. Lekshmi K	Slot	: D1+TD1
: 1 ½ hours	Max. Marks : 50	

Plain

Answer all the Questions

SMF Hospital is a renowned health care unit in Chennai. They have approached you to design a website for their hospital. You have to design a webpage that displays the list of doctors and their availability as follows using HTML: (6 marks)

DAYS	8am-10am	10am-12pm		1pm-4pm	4pm Onwards

MON	Dermatologist
	• Dr. Sam
	• Dr. Ram
		Ortho
		• Dr. Shivam
		• Dr. Lahari
			LUNCH HOUR	OP Service
				Dr. Girija
					• Duty Doctors
					  o Dr. Kevin
					  o Dr. Eric

TUE	Pediatrics
	1. Dr. Sandhya
	2. Dr. Vidhya
				OP Service
				Dr. Shakthi
					• Duty Doctors
					  o Dr. Jacob
					  o Dr. Akhil

WED	Hepatology
	1. Dr. Catherine
	2. Dr. Caroline
					• Duty Doctors
					  o Dr. Kevin
					  o Dr. Eric

THURS				OP Service
				Dr. Tarika
					• Duty Doctors
					  o Dr. Jacob
					  o Dr. Akhil

FRI	Endocrinologist
	Dr. Karthik
	<Add the image of the doctor here as a hyperlink>
					• Duty Doctors
					  o Dr. Kevin
					  o Dr. Eric

SAT	Pulmonologist
	Dr. Deepak
		ENT
		Dr. Preethi
					• Duty Doctors
					  o Dr. Jacob
					  o Dr. Akhil

SUNDAY HOLIDAY					

10

NOTE:
a) The last row in the table must be a footer. (2 marks)
b) With in the cell for example (Pulmonologist must appear in first line followed

by Dr. Deepak in second line). Apply this rendering in all appropriate cells as specified in the table. (1 mark)

c) In the row for FRIDAY second cell add the image file of Dr. Karthik. On clicking the image, it must externally link to a webpage about the doctor. (The external page must have name & qualification of the doctor) (1 mark)

A fresh web developer is designing a website for a startup that aims to launch an innovative social networking platform. The platform will include features such as user profiles, multimedia content sharing, and real-time messaging. As a web developer suggest the following:

a) For the given application list the possible security threats and their solutions. (5 marks) **10**

b) Describe the use of Webserver for the above web application and recommend some of the web servers. (5 marks)

As a web designer, create a registration form for a college admission website using HTML. The form must have the fields for the user's name, email, password, age, and phone number. Perform client-side validation using JavaScript in the registration form. (4 Marks) **10**

a) Perform Event Handling as follows (2 marks):
- Use the addEventListener method to attach an event handler function that gets triggered when the user submits the form.
- Ensure that the validation function prevents form submission if any of the fields are empty and displays an appropriate error message.

b) Validation Rules (4 marks):
- Define validation rules for the email, phone number and age fields.
- Display error messages if the email format is incorrect or if the mobile number does not follow a specified pattern of 10 digits.
- Ensure that the age entered is a positive integer between 18 and 99 (inclusive).

Create a simple "English Word Library" game webpage using HTML and Javascript. English Word Library, is an idea for asking a player to give a collection of words (adjectives and verbs) from the provided list. **10**

The webpage of English Word Library should proceed as follows:

a) First, the user should be presented with a narrative (question as a paragraph) and then ask the user to choose the answers for the fillups in the question in order of a, b, c from the list. (4 Marks)

b) After choosing the three answers from the list in proper order and on clicking the "Submit" button the score must be calculated and displayed as given below in the webpage. Assume that marks each correct answer is 10. (6 Marks)

Example of English Word Library:

Tim Berners-Lee, a British scientist, invented the World Wide Web (WWW) in 1989, while working at CERN. The Web was originally conceived and developed to meet the demand for automated information-sharing between scientists in universities and institutes around the world. CERN is not an _____ laboratory, but rather the focal point for an external e-community that includes more than 17,000 scientists from over 100 countries. Although they typically spend some time on the CERN site, the scientists usually _____ at universities and national laboratories in their home countries. Reliable communication tools are therefore essential. The basic idea of the WWW was to _____ the evolving technologies of computers, data networks and hypertext into a powerful and easy to use global information system.

| isolated |
| dance |
| cut |

[Submit]

Your score is 10 out of 30

Design a webpage for Infinite Journeys travels. Assume the webpage has one logo image, three heading (h1) tags and three paragraphs. Using CSS, perform the following with appropriate selectors and its properties. **10**

<Img Logo>

Infinite Journeys Travel

Discover the world with ease through our travel agency, where seamless planning meets unforgettable adventures. Let us take care of the details, so you can focus on creating timeless memories.

Explore Our Services: Effortless Flights, Secure Stays, Curated Tours:

- Book your flights effortlessly with us and soar towards your next adventure.
- Secure your stay effortlessly with our simple hotel booking service.
- Explore hassle-free with our curated tour packages.

Contact Us

Get in touch with us easily for any inquiries or assistance.

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a) The travel agency name heading must alone be in red and other headings must be in blue. (2 marks)
b) When using hyperlinks, the color should change to pink when you hover the mouse. (3 marks)
c) The logo image must animate from left to right. (5 marks)