SVKM'S NMIMS

MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT ENGINEERING/STME SCHOOL OF TECHNOLOGY MANAGEMENT

Academic Year: 2024-2025

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Program/s: B.Tech IT/MBA.Tech (IT)/B.Tech Cyber Sec/B.Tech AI	Year: _II/III/IV Year Semester:
&DS/B.Tech AI & ML /MBA.Tech AI/B.TECH_AI/B.Tech Integ	III/V/VII sem
Stream/s; IT/AI &DS/ AI & ML/AI/Integrated	ender?
Subject: Web Programming	Time:3 hrs (10:00 AM to 1:00 PM)
Date: 05 / 12 / 2024	No. of Pages: 34
Marks: 100	

Final Examination /Re-Examination (2023-2024)

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1. Copy your code, number the questions appropriately, then paste the results after each code in a Doc file.
- 2. Also place each of your code file in a folder. The Folder name should Name_RollN0_SAPID.
- 3. The folder should contain all code files and Doc file
- 4. Answer to each new question to be started on a fresh page.
- 5. All Questions are compulsory.

Q1 CO: 1 &2 SO:2 BL:1&3	Create a website for a reputed Educational Institute that will serve as a hub for student faculty, and the public. The purpose of the website is to provide information about the inscourses, admissions, and events. Use HTML, CSS, and JavaScript to design and develowebsite. Home Page, Courses Page, Admissions Page and Contact Us Page.	titute,
A	Home page – Contains the links to the internal pages. Design the Home Page of a website for a reputed Educational Institute using HTML and CSS . The page should follow the specified blueprint.	15 M
	Body Background (3 Marks):Set the body background color to light grey.	
	 2. Heading Alignment (3 Marks): Create a Heading 1 at the center of the page with the text "Welcome to [selected] Institute". Use "Times New Roman" font for the heading. 	
	 3. Paragraph Font Style and Size (3 Marks): Write a paragraph introducing the institute, explaining its mission and vision. Use Courier New font with a font size of 14px. Align the paragraph to the left, and set the text color to navy blue. 	
	 4. SuperScript and SubScript Example (3 Marks): Include the following formula to represent student enrollment projections: Enrollment = E × A^(n+m) + log_x(n) Use superscript and subscript tags to format the formula correctly. 	
	 5. Font Styling (3 Marks): Apply bold and italic formatting to the first heading. Set the paragraph text to italic and ensure the font color is dark green. 	

	Courses Page Design:	15 1
	1. Create a Table to Display Course Details: (6M)	
	• Use HTML table tags to display the following course information:	
	o Course Name	
	o Duration (in months)	
	o Number of Seats Available	
	o Instructor Name	81
	o Fee Structure	
	Add a Row with Column Span:	
	o The last row of the table should span across all columns, containing the	
	message:	
	"Admissions Open for the Upcoming Semester!"	
, ii		
	2. Add the Institute Logo to the Page: (3M)	
	• Place the institute's logo image at the left corner of the page.	2
	 Set the height and width of the logo to 100px by 100px. 	C X
	no morgan and what of the logo to toops by 100ps.	
	3. Display the List of Programs Offered:(6M)	
	• Use an unordered list with square bullet points to disclarate of	
	• Use an unordered list with square bullet points to display the following academic programs:	
	Bachelor of Technology (B.Tech)	4 3
	Master of Business Administration (MBA)	
	Bachelor of Science (B.Sc)	
	 Master of Computer Applications (MCA) 	
		N N N
	Admissions Page:	
	Design a Box Model Layout for an Admissions Section (10M)	
	2 coigh a Box would Layout for an Admissions Section (10M)	20M
	HTML Structure:	
	1. Create a div to display the following text:	-
	"Welcome to [Institute Name]! Admissions for the 2024-2025 academic year are now open."	
	2. Use internal CSS to apply the following Box Model properties to the <div>:</div>	
	by:	
	• Width: 350px	-
	o Border: 10px dashed blue	
	 Border: 10px dashed blue Padding: 30px 	

	3. Apply External CSS (via a separate CSS file) to display above admission text. (10M)	
	• Font size: 20px	
	• Font color: Dark green (#006400)	2
	• Font family: Arial, sans-serif • Style the body with a healtwooned color (a.g. light grow)	6
	• Style the body with a background color (e.g., light gray)	
, 8°	4. Create a link labeled "Click on Page 3. Use CSS to define the following four link states:	
	Normal (unvisited) link: Blue text (#0000FF)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Visited link: Purple text (#800080)	a 8 .
	► Hover (mouse over) link: Green text (#008000)	
2 5	> Active (clicked) link: Red text (#FF0000)	
D	1. Question: Create a "Contact Us" Form with Input Validation Using	
	JavaScript (15M)	20M
	Design a Contact II and a few and IEI at the II at the III at the	
	Design a Contact Us page for a reputed Educational Institute. The page should include a form where citizens can ask queries. Validate the inputs using JavaScript and display	w
	error messages for incorrect entries.	
	error messages for incorrect entries.	
3 - *	Form Fields with Validations:	
	a) Name: Only characters, cannot be blank.	2
	b) Age: Must be a 2-digit number only.	
**	c) Password: Length between 8 to 12 characters, cannot be blank.	
	d) Email: Must follow a valid email format (e.g., example@domain.com).	
	e) Submit Button: On clicking, JavaScript should validate all fields and display	
-	appropriate error messages.	8
		4.
	2. Search for the '@' Position in an Email ID on Submit Event (5M)	
	a) Create an HTML form with a text field to accept an email ID.	
	b) On clicking the submit button , use JavaScript to search for the '@' position in the email string.	
	c) Display the position on the page using DOM manipulation .	
	I To many and in the state of t	

Q2	NodeJs ,Mysql and AngularJs	1877	7 " E 5 "
CO: 1 and 3			
SO:2 BL:1,2 & 3			
A	Display Content from a Text File using Node.js (10M)		10 M

	1. Create a text file named initiatives.txt containing information about the initiatives taken by a reputed educational institute (e.g., new courses, events, or scholarships).	
	 2. Write a Node.js server that: Reads the content from the text file using Node's fs module. Displays the content both on the browser (via an HTTP server) and in the console. 	
	In the console.	
В	Create a MySQL Database and Insert Data Using Node.js (10M)	10 M
3	 Create a MySQL database named mydb. Create a table called Students with the following structure: 	es 9
	 id: INT (Auto Increment, Primary Key) name: VARCHAR(255) course: CHAR(50) (to store the course enrolled) 	
	3. Insert one data entry (student's name and course) into the Students table.4. Display the inserted data on the console window using Node.js.	h i
С	Create an AngularJS Application to Accept Course Name and Student ID, and Display it on the Web Page (10M)	10 M
	 Create a simple AngularJS application that allows the user to input: Course Name Student ID 	
	2. On entering these values, display the Course Name and Student ID dynamically on the web page.	