L.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD

Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)

Note: This Practice book is only for reference purpose. LJU Test question paper may not be completely set from Practice book.

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-1:Introduction to Web & Web Design										
1	1	HTTP	How HTTP is a stateless protocol?	Only B & C	0.5		Client and server can relate two consecutive requests	Client and server know each other only during current request	Client and server do not retain information between various requests of web page.	Only B & C
2	1	URL	URL stands for _____	Uniform Resource Locator	0.5		Universal Resource Locator	Uniform Resource Locator	Universal Resource Library	Uniform Resource Library
3	1	URL	Which of the following is the correct sequence to specify URL?	Method://Host:Port/Path	1	[LJU,2022]	Method://Path/Host:Port	Method://Host:Path/Port	Method://Path:Port/Host	Method://Host:Port/Path
4	1	Browser	Which of the following is used to read an HTML page and render it?	Web browser	0.5	[LJU,2022]	Web server	Web network	Web browser	Web matrix
5	1	DNS	What does DNS stand for?	Domain Name System	0.5	[LJU,2022]	Domain Name Server	Domain Name System	Domain Network System	Domain Node System
6	1	design	Which of the following points are for designing effective navigation?	ALL	1	[LJU,2022]	Don’t make your users guess	Consistency is a key	Add a Home button	ALL
7	1	HTTP	The first line of HTTP response message is called _____	Status line	0.5	[LJU,2024]	Request line	Header line	Status line	Entity line
8	1	HTTP	Which of the following is present in both an HTTP request line and a status line?	HTTP version number	0.5		HTTP version number	URL	Method	None of the mentioned
9	1	HTTP	Why HTTP is stateless?	It does not maintain any connection information on previous transaction	0.5		It has less no of state.	It does not maintain any connection information on previous transaction	It is out of state	It is less efficient
10	1	Internet	The first network that planted seeds of internet was _____	ARPANET	0.5		NSFNet	Vnet	ARPANET	interanet
11	1	W3C	What does W3C stand for?	World Wide Web Consortium	1		Web Council	Work on Web Council	World Wide Web Consortium	World Wide Web Community
12	1	GET/POST	What is 200 Ok HTTP response code?	request is successful	1		request is unsuccessful	request is successful	request is pending	there is an error
13	1	HTTP	A piece of icon or image on a web page associated with another webpage is called as _____	Hyperlink	0.5		URL	Hyperlink	Plugin	Extension

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
14	1	HTTP	HTTP stands for?	Hyper text transfer protocol	0.5		Hidden text transfer protocol	Hyper text transfer protocol	Hyper text transition protocol	Hidden text transition protocol
15	1	W3C	Which organization was founded by Tim Berners Lee?	W3C	0.5		IBM	W3C	Microsoft	Google
16	1	URL	There are the following statements that are given below, which of them are correct about URL? 1)URL stands for Universal Resource Locator. 2)URL is a global address to access resources over the Web. 3)The resources accessed by the URL can be an HTML file, CSS file, etc 4)URL cannot use any protocol to access web resources.	2,3	1		1,2	2,3	1,2,3	3,4
17	1	URL	A web page is located using a _____.	Uniform Resource Locator	0.5		Universal Record Linking	Universal Record Locator	Uniform Resource Locator	Uniformly Reachable Links
18	1	HTTP	Which protocol is used to send information over the web?	HTTP	1	[LJU,2024]	SMTP	FTP	POP	HTTP
19	1	HTTP	Which of the following HTTP status codes means “Forbidden – client is authenticated but not allowed”?	403	1		200	301	403	500
20	1	HTTP	In an HTTP request message, which line specifies the method, resource, and protocol version?	Request Line	1		Status Line	Request Line	Header Line	Entity Body
Descriptive Questions										
21	1	URL	Which are the parts of URL? State use of them.		3					
22	1	Client-Server	How browser interacts with the server?		4					
23	1	Bad design	Which are the symptoms of bad design?		3					
24	1	Cache	What is the use of cache memory in browser?		2					
25	1	Layout	Differentiate between flexible and fixed page layout.		2					
26	1	Effective design	Use of horizontal scrollbar should be avoided to have effective web design. Justify		2					
27	1	Navigation	What is navigation? Discuss the characteristics of effective navigation.		4					

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Chapter-2:HTML Structure and Core Tags										
28	2	<meta>	Which attribute of <meta> tag is used to automatically refresh the page?	http-equiv	0.5		http-equiv	content	name	refresh
29	2	Expression	Which tag is used to display power in expression $(A+B)^2$	<sup>	0.5		<big>	<sub>	<sup>	<superscript>
30	2	sub	Which is the correct HTML statement to display formula in a paragraph? $(C_2H_3O_2)^2$	(c₂H₃O₂) ²	1		(c₂H₃O₂) ²	c₂H₃₍O₂) ²	(c₂H₃O₂²)	(c²H³O²) ₂
31	2	link	In HTML, which attribute is used to create a link that opens in a new window tab?	target="_blank"	0.5	[LJU,2022]	src="_blank"	alt="_blank"	target="_self"	target="_blank"
32	2	list	Which of the following is way to start an ordered list with capital alphabets C?	<ol type="A" start="3">	1	[LJU,2022]	<ol type="1" start="3">	<ol type="A" start="3">	<ol type="a" new="3">	<ol type="A" begin="4">
33	2	table	_____attribute is used to defines the space between a table cell's border and the content present in it.	cellpadding	0.5		caption	cellspacing	cellpadding	margin
34	2	<ol>	Which of the following is way to start an ordered list with capital alphabets with the count of numeric value 4?	<ol type="A" start="4">	1		<ol type="1" start="4">	<ol type="a" new="4">	<ol type="A" start="4">	<ol type="A" begin="4">
35	2	<ol>	Which of the following type is not supported in <ol> tag?	type="$"	0.5		type="I"	type="A"	type="$"	type="a"
36	2	meta	Which of the following is the correct specification of <meta> tag?	<meta http-equiv="refresh" content="8"/>	1		<meta name="http-equiv" content="refresh" time="8"/>	<meta http-equiv="refresh" content="8"/>	<meta name="description" value="about full stack"/>	<meta name="keyword" value="Full Stack"/>
37	2		What is the output of following code: blue eyes	blue eyes is written in blue font color having yellow background & font is of 10px size	0.5		blue eyes is written in blue font color having yellow background & font is of 10px size	Blue eyes is written as simple word	Blue eyes is written in yellow color having blue background & font is of 10px size	Blue eyes is written in blue font color having yellow background only.
38	2	<ol>	Which is allowed attribute value to start numbers from 3 in ordered list?	<ol start="3">	1		<ol start="3">	<ol starting="3">	<ol st="3">	<ol start no="3">
39	2	image	If the image you are loading in the web page is not available, then you want a text to appear in the image placeholder, which attribute lets you define this text?	alt	0.5		src	align	text	alt
40	2	Tags	The correct sequence of HTML tags for starting a web page is _____	html, head, title, body	1		head, title, html,body	html, body, title, head	html,head,title,body	html,head,body,title
41	2	Tags	Which tag is used to render bold text?	Both B and C	1			<b>		Both B and C
42	2	Tags	Which tag is used to insert largest heading?	<h1>	0.5		<h1>	<h2>	<h3>	<h4>

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43	2	Youtube	Which of the following is the correct syntax for YouTube video?	<iframe width="500" height="500" src="https://www.youtube.com/embed/Q-qcB_OqKTU"></iframe>	1		<iframe width="500" height="500" src="https://www.youtube.com/Q-qcB_OqKTU"></iframe>	<iframe width="500" height="500" src="https://www.youtube.com/embed/Q-qcB_OqKTU"></iframe>	<video width="500" height="500" src="https://www.youtube.com/embed/Q-qcB_OqKTU"></video>	<iframe width="500" height="500" href="https://www.google.com/embed/Q-qcB_OqKTU"></iframe>
44	2	video	Which Boolean attribute if specified, will allow video automatically seek back to the start after reaching at the end?	loop	1	[LJU,2022]	controls	autoplay	loop	embed
45	2	tag	Which of the following is/are Non semantic elements?		0.5	[LJU,2022]		article	header	footer
46	2	Semantic element	Which of the following element is not a semantic element?	<a>	0.5		<header>	<footer>	<aside>	<a>
47	2	Audio & video	If user want to add multiple media file as audio & video then which element is used for it?	<source>	0.5		<audio>	<canvas>	<svg>	<source>
48	2	Audio & video	If this attribute is present, it will allow the user to control audio playback, including volume, seeking, and pause/resume playback.	controls	1	[LJU,2024]	controls	src	source	autoplay
49	2	Video	Which HTML5 element defines video or movie content?	<video>	1		<video>	<media>	<audio>	<movie>
50	2	HTML5	Which browser does the HTML5 supports?	All the mentioned	1		Firefox	Safari	Internet Explorer	All the mentioned
51	2	HTML5	The following elements <aside>, <article> are the new elements in HTML5. These elements are called,	Semantic elements	1		Semantic elements	Graphic elements	Control attributes	Multimedia elements
52	2	Audio	Which boolean attribute if specified, the audio will automatically begin to play back as soon as it can do so without stopping to finish loading the data?	autoplay	1		loop	preload	autobuffer	autoplay
53	2	Audio	Which is true about 'audio' tag in HTML5?	both of these	1		HTML5 supports <audio> tag which is used to embed sound content in an HTML	The current HTML5 draft specification does not specify which audio	both of these	none of these
54	2	Video	_____ is the attribute of video element which mutes the video on loading.	muted	1		mute	muted	audio	voice
55	2	Video	To insert a video, we use a video tag and set its src attribute to a local or remote URL containing a playable movie. State True/False.	True	1		TRUE	FALSE		
56	2	Audio / Video	HTML5 brings to the Web video and audio tracks without needing plugins. State True/False.	True	1		TRUE	FALSE		
57	2	YouTube	Which value is there for autoplaying the YouTube video?	1	1		0	1	2	Infinite
58	2	YouTube	Which element is used for YouTube videos?	<iframe>	1		<frame>	<iframe>	<samp>	<small>
59	2	YouTube	Which value of loop parameter is to be set for looping the YouTube video?	1	1		0	1	2	loop
60	2	aside	Which tag represents a piece of content that is only slightly related to the rest of the page in HTML5?	<aside>	1		<header>	<aside>	<article>	<section>
61	2	aside	Which of the following element is used as a container for content?	<aside>	1		<footer>	<header>	<aside>	<article>
62	2	article	Which element represents self-contained composition in document?	<article>	1		<footer>	<header>	<article>	<meter>
63	2	article	An Article element contains -	ALL the mentioned	1		Image	Video	Text or embedded content	ALL the mentioned

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
64	2	article	Which element is used to define a discrete unit of content such as a blogpost, comment, and so on?	article	1		aside	header	article	area
65	2	Anchor	How to create hyperlink in HTML?	<a href = "www.ljuniversity.com"> LJ University </a>	1		<a href = "www.ljuniversity.com"> LJ University </a>	<a link = "www.ljuniversity.com"> LJ University </a>	<a url = "www.ljuniversity.com"> LJ University </a>	<a> LJ University </a>
66	2	Italic	Which element renders italic tag?	<i>	0.5		<italic>	<i>	<it>	<pre>
67	2	Image	How to create hyperlink in image?	<a href="#"><img src="image_path"/></a>	1		<a href="#"><img herf="image_path"/></a>	<a href="#"><img src="image_path"/></a>	<a link="#"><img src="image_path"/></a>	<a src="#"><img src="image_path"/></a>
68	2	Index	Which attribute is used to give index to <ol> tag?	type	0.5		index	type	number	position
69	2	Image	Which of the following makes image clickable?	<a href="https://www.sanfoundry.com/"><img src="https://www.sanfoundry.com/sanfoundry-logo" /></a>	1		<a href="https://www.sanfoundry.com/">Sanfoundry Home Page</a>	<img src="https://www.sanfoundry.com/sanfoundry-logo"><a href="https://www.sanfoundry.com/">Sanfoundry Home Page</a></img>	<a href="https://www.sanfoundry.com/">Sanfoundry Home Page</a><img src="https://www.sanfoundry.com/sanfoundry-logo" />	<a href="https://www.sanfoundry.com/"><img src="https://www.sanfoundry.com/sanfoundry-logo" /></a>
70	2	Standalone	Which of the following is not a standalone tag?	<b>	0.5		<hr>	<b>	<img>	
71	2	Ordered List	Which is allowed attribute value to render small roman no. in ordered list?	<ol type="i">	1		<ol type="I">	<ol type="i">	<ol type="roman">	<ol type="number">
72	2	<hr> tag	<hr> tag in HTML is used for _____	Horizontal Rule	0.5		New line	Vertical rule	New paragraph	Horizontal Rule
73	2	Ordered List	Which of the following is the correct way to create list using lowercase letters?	<ol type="a">	1		<ol alpha="a">	<ol type="a">	<ol letter="a">	None of the mentioned
74	2	Ordered List	Which of the following is way to start an ordered list with the count of numeric value 4?	<ol type="1" start="4">	1		<ol type="1" start="4">	<ol type="1" num="4">	<ol type="1" begin="4">	<ol type="1" initial="4">
75	2	Comment	Which is the correct way to comment something in HTML?	Using <!-- and -->	0.5		Using ## and #	Using </-- and -/->	Using <!-- and -->	Using /* and */
76	2	Unordered list	Which type attribute value is not allowed in unordered list?	bullet	0.5		disc	circle	square	bullet

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77	2	Underline	Which tag helps to display underlined text?	<u>	0.5		<underline>	<u>	 	<below-line>
78	2	Superscript	Which element displays superscript text?	<sup>	0.5		<sup>	<superscript>	<superscripted>	<super>
79	2	Tag	Which of the following tags do not require a terminator?	 	1		<u>	 	<b>	none
80	2	list	To get the ordered list we use _____	<ol>	1		<h1>	<ul>	<ol>	<ml>
81	2	list	for unordered list, we use _____ tag.	<ul>	1		<ol>	<tr>	<th>	<ul>
82	2	Tag	_____ tag is used before beginning of the paragraph text.	<p>	1		<textarea>	<sup>	<b>	<p>
83	2	Tag	which tag add row in table?	<tr></tr>	1		<td> <td>	<tr></tr>	<th> </th>	<tr></td>
84	2	Tag	Which tag is used for numbered list?	<ol>	1		<ul>	<ol>	<list>	none
85	2	Tag	choose the HTML tag for smallest size heading.	<h6>	1		<h>	<h1>	<h6>	<h2>
86	2	image	Which HTML tag is used to insert an image?	<img src=”htmllogo.jpg” />	1	[LJU,2024]	<img url=”htmllogo.jpg” />	<img alt=”htmllogo.jpg” />	<img src=”htmllogo.jpg” />	<img link=”htmllogo.jpg” />
87	2	Tag	HTML tags are surrounded by which type of brackets.	< >	1		{ }	[ ]	( )	< >
88	2	HTML	What does the abbreviation HTML stand for?	HyperText Markup Language	1		HighText Machine Language	HyperText and links Markup Language	HyperText Markup Language	None of these

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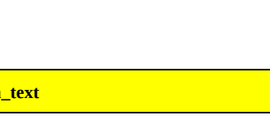
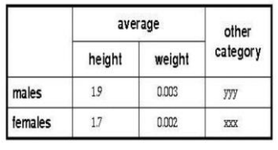
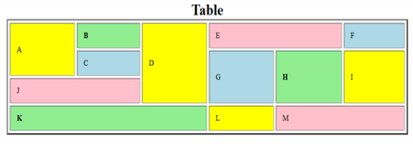
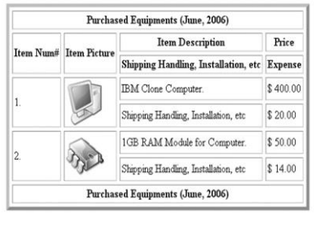
89	2	<meta>	What is the main purpose of the <meta> tag in HTML?	To provide metadata about the webpage	1		To provide metadata about the webpage	To create hyperlinks	To insert images	To display bold text
90	2	<meta>	Which <meta> attribute is used to define the character encoding of a webpage?	charset	1		http-equiv	charset	name	content
91	2	<meta>	Which <meta> attribute is used to describe the webpage for search engines?	<meta http-equiv="refresh" content="5; url=page.html">	1		<meta charset="UTF-8">	<meta name="keywords" content="HTML, CSS">	<meta http-equiv="refresh" content="5; url=page.html">	<meta name="viewport" content="width=device-width">
92	2	<figcaption>	Which element is used inside <figure> to provide a caption or description?	<figcaption>	1		<label>	<legend>	<caption>	<figcaption>
93	2	<fugure>	Which of the following correctly represents a figure with a caption?	<figure> <img src="html.png"> <figcaption>HTML Logo</figcaption> </figure>	1		<figure> <figcaption>HTML Logo</figcaption> <img src="html.png"> </figure>	<fig> <caption>HTML Logo</caption> <img src="html.png"> </fig>	<figure> <caption>HTML Logo</caption> <img src="html.png"> </figure>	<figure> <img src="html.png"> <figcaption>HTML Logo</figcaption> </figure>
Descriptive Questions										
94	2	Title	_____ tag is used to give title to table.		0.5					
95	2	text field	_____ attribute of input field is used to give short hint for values to be entered.		1					
96	2	Table	Write HTML tags to generate the given output. 		5	[LJU,2022]				
97	2	table	Give the code to print given table. 		5					
98	2	<table>	Write an HTML script to code given table: 		5					
99	2	table	Draw table as asked. 		5					

	average		other category
	height	weight	
males	1.9	0.003	yyy
females	1.7	0.002	xxx

Purchased Equipments (June, 2006)			
Item Num#	Item Picture	Item Description	Price
		Shipping Handling, Installation, etc	Expense
1.		IBM Clone Computer.	$ 400.00
		Shipping Handling, Installation, etc	$ 20.00
2.		1GB RAM Module for Computer.	$ 50.00
		Shipping Handling, Installation, etc	$ 14.00
Purchased Equipments (June, 2006)			

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100	2	YouTube	Write an HTML script to play a YouTube video looping forever & auto-playing while page load.		2					
101	2	Audio	Write HTML code to embed a audio in a web document.		3					
102	2	Video	Write HTML code to embed a video in a web document.		3					
103	2	YouTube	Write HTML code to play your YouTube video loop forever.		3	[LJU,2024]				
104	2	aside/article	Write HTML code that includes aside & article tags.		4					
105	2	aside/article	Write HTML code having article title and two sections in article by using <article> and <aside> tag.		4					
106	2	Alternate text	How to render alternate text if image cannot be found in <img> tag?		1					
107	2	&	Differentiate between and tags.		2					
108	2	table border	Unless we specify border attribute of table, the table will display without any border. True or false		1					
109	2	cellspacing and padding	How cellspacing and cellpadding attributes differs?		1					
110	2	Display text	Display following text using suitable tags: (1) $log_{10} a$ (2) $(H_2SO_4)^2$		2					
111	2	iframe	Create a simple HTML webpage that demonstrates the use of the <iframe> tag to embed different types of resources. The page should include: A PDF document embedded using an iframe. A Google Map embedded using an iframe. A local HTML file embedded within the main page using an iframe.		4					
112	2	Difference	How <th>, <thead> and <caption> tags differ?		2					
113	2	Color	Write HTML code to show each letter of word RAINBOW with new color, giving a rainbow effect.		3					
114	2		is a block level formatting tag. State true/false.		1					
115	2		is an inline formatting element. State true/false.		1					
116	2	Meta	How <meta> tag is helpful for Search Engine Optimization(SEO)?		2					
117	2	Tags	How to display ordered list and unordered list using HTML? Give Example.		2					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
118	2	Tags	Create HTML Page for following features: 1) Use various bullet styles 2)Created nested lists		5					
119	2	Structure	What is structure/Layout of HTML? Explain with figure.		5					
120	2	Table	Write an HTML script to code following table: **Time Table** <table><tr><td colspan="3">Header 1</td><td>Header 2</td></tr><tr><td rowspan="3">Food Items</td><td>Pizza</td><td>Burger</td><td>Fries</td></tr><tr><td>Maggie</td><td>Pasta</td><td>Rolls</td><td rowspan="2">Sticks</td></tr><tr><td colspan="2">Grill</td><td>Non-Grill</td></tr><tr><td>Cold Drinks</td><td colspan="3">Coca Cola</td></tr><tr><td colspan="4">Confirm Order</td></tr></table>		5	[LJU,2024]				

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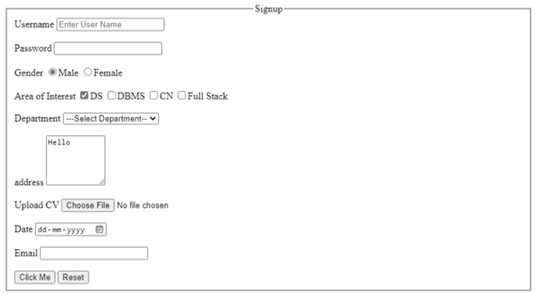
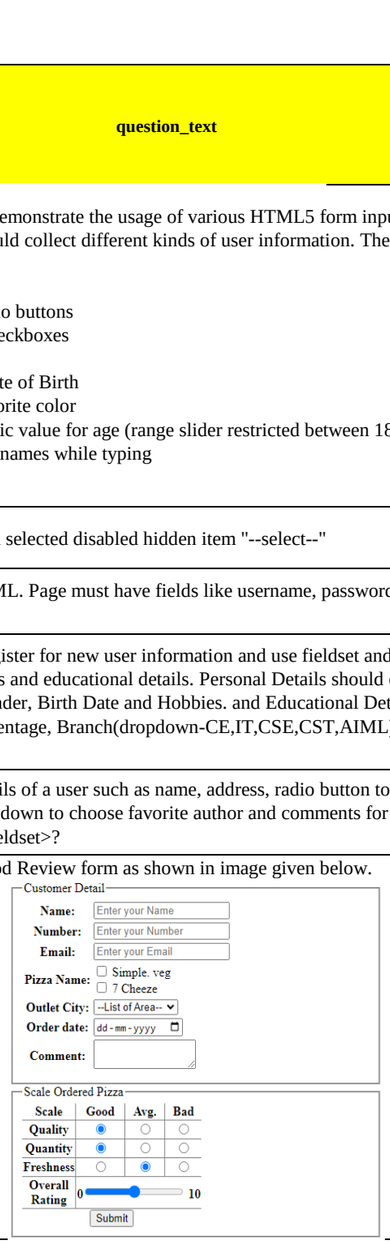
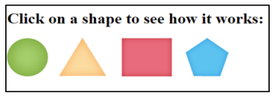
Chapter-3:Forms, Graphics, and Interactive Elements in HTML										
121	3	Textarea	Which of the following statement is correct to render a description field filled up with some content initially, which we have to erase manually to fill up our description?	<textarea rows="5" cols="15">Enter data</textarea>	1		<textarea rows="5" cols="15">Enter data</textarea>	<textarea rows="5" cols="15" value=”Enter data”></textarea>	<textarea rows="5" cols="15" placeholder=”Enter data”></textarea>	<textarea rows="5" cols="15" text=”Enter data”></textarea>
122	3	Dropdown	Which of the following is the correct code to design a dropdown menu with two contents “Surat”, “Rajkot” as items and “Gujarat” as a category?	<select> <optgroup label="Gujarat"> <option>Surat</option> <option>Rajkot</option> </optgroup> </select>	1		<select> <optgroup>Gujarat</optgroup> <option>Surat</option> <option>Rajkot</option> </select>	<select> <optgroup value="Gujarat"></optgroup> <option>Surat</option> <option>Rajkot</option> </select>	<select label="Gujarat"> <option>Surat</option> <option>Rajkot</option> </select>	<select> <optgroup label="Gujarat"> <option>Surat</option> <option>Rajkot</option> </optgroup> </select>
123	3	dropdown	Which amongst the following is the correct HTML code for creating a dropdown list?	<select>	0.5	[LJU,2022]	<input type= "dropdown">	<input type= "list">	<input type= "drop">	<select>
124	3	radiobutton	_____attribute is used to group two or more radio button in form.	name	0.5		name	option	radio	id
125	3	input	To display multiline textfield which tag will you use?	<textarea rows=”5” cols=”20”></textarea>	1		<input type=”textarea” row=”5” col=”5”/>	<input type=”textarea” row=”5” col=”5”/>	<textarea rows=”5” cols=”20”></textarea>	<textarea type=”text” row=”5” col=”6”/></textarea>
126	3	dropdown	To create a combo box (drop down box) which tag will you use?	<select>	1		<select>	<list>	<input type="dropdown">	<option type=”dropdown”>
127	3	optgroup	Which of following is correct to specify optgroup tag?	<optgroup label=”india”>	1		<optgroup text=”india”>	<optgroup ”india”>	<optgroup id=”india”>	<optgroup label=”india”>
128	3	Tag	How to create a checkbox in HTML Form?	<input type=”checkbox”>	1		<input type=”text”>	<input type=”textarea”>	<input type=”checkbox”>	<input type=”button”>
129	3	Dropdown	Which of the following correct for display drop down list?	<select><option>Apple</option></select>	1		<select><option1>Apple</option1></select>	<option><select>Apple</select></option>	<select><option>Apple</option></select>	<option1><select1>Apple</select1></option1>
130	3	form	An HTML form is to be designed to enable the purchase of office stationery. The required items are selected (checked), credit card details are to be entered, and the submit button is pressed. Which one of the given options would suit sending the data to the sever? Assume that security is handled in a transparent way to the form design.	Only POST	1		Either GET or POST	Only GET	Only POST	Neither GET nor POST
131	3	form	Which of the following are correct input types?	submit, reset, checkbox, password	1		text, password, reset, list	submit, reset, list, password	radio, reset, list, password	submit, reset, checkbox, password
132	3	Textarea	Which of the following is used to render textarea?	<textarea></textarea>	1		<text></text>	<input type="text"/>	<input type="textarea"/>	<textarea></textarea>
133	3	Optgroup	Which attribute of <optgroup> is used to specify its value?	label	1		value	label	placeholder	content
134	3	<img>	Which attribute of <img> tag is used to define its coordinates and mapping?	usemap	0.5		src	shape	coords	usemap
135	3	SVG Rectangle	Identify correct code to draw a rounded rectangle with green border and red inner color.	<svg width="400" height="700"> <rect width="100" height="200" stroke="green" stroke-width="4" rx="12" ry="22" fill="red"/> </svg>	1	[LJU,2024]	<svg width="400" height="700"> <rect width="100" height="200" stroke="green" stroke-width="4" rx="12" ry="22" fill="red"/> </svg>	<svg width="400" height="700"> <rect width="100" height="200" stroke="green" stroke-width="4" fill="red"/> </svg>	<svg width="400" height="700"> <rect stroke="green" border-width="4" rx="12" ry="22" fill="red"/> </svg>	<svg width="400" height="700"> <rect width="100" height="200" stroke="green" border-width="4" rx="12" ry="22" fill="red"/>

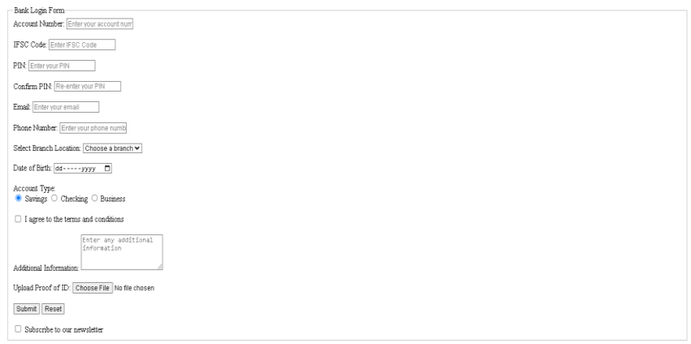
Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
136	3	SVG	Which of following is correct to draw a square in SVG ?	<rect x="50" y="50" width="100" height="100" stroke="red" fill="green" />	1		<square x=”50” y=”50” height=”100” width=”200” stroke=”red”/>	<rect x="50" y="50" width="100" height="100" stroke="red" fill="green" />	<rect x=”50” y=”50” height=”100” width=”200” stroke=”red”/>	<square height=”100” width=”200” stroke=”red” fill=”green”/>
137	3	SVG	SVG stands for:	Scalable Vector Graphics	0.5		Scalable Vector Group	Scalable Vast Graphics	Scalable Vector Graphics	Scale Vector Group
138	3	Area, Map	Which of the following is the correct combination of <area>, <map> & <img> tags?	<img src=”combo.jpg” usemap=”#abc”/> <map name=”abc”> <area cords=”3,55,66,77” href=”coffee.jpg” shape=”rect” target=”_blank”/> </map>	1		<img src=”combo.jpg” usemap=”#abc”/> <map name=”abc”> <area cords=”3,55,66,77” src=”coffee.jpg” shape=”rect” destination=”_blank”/> </map>	<img href=”combo.jpg” usemap=”#abc”/> <map name=”abc”> <area cords=”3,55,66,77” src=”coffee.jpg” shape=”rect”/> </map>	<img src=”combo.jpg” usemap=”#abc”/> <map name=”abc”> <area cords=”3,55,66,77” href=”coffee.jpg” shape=”rect” target=”_blank”/> </map>	<img link=”combo.jpg” usemap=”#abc”/> <map name=”abc”> <area cords=”3,55,66,77” src=”coffee.jpg”/> </map>
139	3	SVG	Consider the following code: <svg height ="500" width="500" > <rect x="40" y="30" rx="20" ry="30" width="200" height="200" fill=”red” stroke=”orange” stroke-width="20"/> </svg> When would you use the above code?	while embedding a rounded rectangle using SVG	1		while defining an image map	while referring to world map	while embedding a rounded rectangle using SVG	while aligning an image on web page using SVG
140	3	SVG	Being vector images, SVG image never loses quality no matter how they are zoomed out or resized. State True/False	Yes	1		Yes	No		
141	3	SVG	The rx and the ry attributes _____ the corners of the rectangle	rounds	1		bends	rounds	clears	sharps
142	3	SVG	Which of the following is attribute of SVG line?	All the mentioned	1		x2	y2	x1	All the mentioned
143	3	SVG	Which of the following is used to pass values to draw a polygon?	points	1		d	points	path	None of the mentioned
144	3	SVG	Which element is used to create a circle?	circle	1	[LJU,2024]	round	circle	cir	ellipse
145	3	SVG	The x1 attribute defines the _____ of the line on the x-axis	start	1		start	middle	end	Some point
146	3	SVG	Which is true about SVG?	All the mentioned	1		SVG images supports interactivity and animation.	SVG is intended to display images over the web.	Being vector images, SVG image never loses quality no matter how they are zoomed out or resized.	All the mentioned
147	3	SVG	Which of the following represents x-axis co-ordinate of top left of the rectangle?	x	1		rx	x	width	None of the mentioned
148	3	SVG	Which of the following is/are the property of SVG images?	All the mentioned	1		SVG is an open standard	SVG images are scalable	SVG images are zoomable	All the mentioned
149	3	area	<area> tag is used in HTML document_____	to map a portion of an image to make it clickable by the end-user.	1		to draw graphics, on the fly, via scripting.	to map a portion of an image to make it clickable by the end-user.	to define an image map.	to defines the title of a creative work.
150	3	area	Which attribute is used to specifies the coordinates of the area?	coords	1		coordinates	coordinate	coord	coords

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
151	3	area	Which attribute is used to specifies an alternate text for the area?	alt	1		text	alter	alt	alttext
152	3	map	<map> tag is used _____	to define an image map.	1		to draw graphics, on the fly, via scripting.	to map a portion of an image to make it clickable by the end-user.	to define an image map.	to defines the title of a creative work.
153	3	map	How many area tag can contain by map tag?	n	1		1	2	3	n
154	3	Canvas	HTML5 element <canvas> gives you an easy and powerful way to draw graphics using JavaScript.	True	1		TRUE	FALSE		
155	3	SVG	What is the purpose of the fill attribute in SVG?	It defines the color inside a shape	1	[LJU,2024]	It sets the border color of an element	It defines the color inside a shape	It defines the stroke color of a shape	It sets the opacity of the shape
156	3	SVG	How do you create a polygon in SVG?	<polygon points="50,150 75,200 100,150" />	1	[LJU,2024]	<polyline points="50,150 75,200 100,150" />	<polygon vertices="50,150 75,200 100,150" />	<polygon coords="50,150 75,200 100,150" />	<polygon points="50,150 75,200 100,150" />
157	3	<input>	Which <input> type is used to enter a telephone number?	<input type="tel">	1		<input type="tel">	<input type="number">	<input type="text">	<input type="call">
158	3	<input>	What is the purpose of <input type="hidden">?	To store data that should not be visible but still sent with the form	1		To hide the form completely	To store data that should not be visible but still sent with the form	To hide passwords while typing	To disable user input
159	3	<input>	Which <input> type provides a calendar UI for selecting a date?	<input type="date">	1		<input type="time">	<input type="month">	<input type="date">	<input type="datetime">
160	3	<input>	Which attribute is commonly used with <input type="range"> to set the minimum and maximum values?	min and max	1		min and max	step	limit and bound	start and end
161	3	<input>	Which <input> type provides a color picker tool in HTML forms?	<input type="color">	1		<input type="rgb">	<input type="palette">	<input type="text">	<input type="color">

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Descriptive Questions										
162	3	Tag	_____ tag is used to categorize items of dropdown. Categorized 2 states with it's cities.		2					
163	3	form	How to create form in html? Create form with any three fields and also add button to submit the form.		3					
164	3	Form	Write a form to collect details of a user such as name, password, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author by providing categories like novel, story book, comics and comments for the last book he read. Give title to form with outline, submit and reset buttons.		5					
165	3	Form	Write an HTML code to design following Form. 		5	[LJU,2022]				
166	3	Form	Design a simple form to register student including name,rollno, semester, email, mobile number, gender, hobbies and feedback also create two buttons submit and reset.		2					
167	3	<form>	Write HTML code to display following form. (Use of table tags for proper formatting is not mandatory) Registration form Enter your first name: enter your first name Enter your last name: Enter your password: ReEnter your password: Enter your email: Enter your mobile: Enter your address: Select your gender: male female Select your hobbies: hobby1 hobby2 hobby3 Select your DOB: dd-mm-yyyy Select your Country: Select your country Upload your pic: Choose File No file chosen Save My Data Reset Data		5					

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
168	3	form	Design an HTML form to demonstrate the usage of various HTML5 form input types, attributes, and controls. The form should collect different kinds of user information. The form must include: Phone Number Field Gender Selection using radio buttons Hobbies Selection using checkboxes File Upload option Date Picker for entering Date of Birth Color Picker to select a favorite color Range Slider to set a numeric value for age (range slider restricted between 18 and 28) Datalist to suggest browser names while typing Submit button		5					
169	3	Dropdown	Make a dropdown to have a selected disabled hidden item "--select--"		3					
170	3	Design	Design a login page in HTML. Page must have fields like username, password, Remember me and login button.		3					
171	3	Form	Design a simple form to register for new user information and use fieldset and legend to differentiate personal details and educational details. Personal Details should contain Full Name, Email, Mobile number, Gender, Birth Date and Hobbies. and Educational Details should contain SSC Percentage, HSC Percentage, Branch(dropdown-CE,IT,CSE,CST,AIML). Add Submit and reset buttons.		5					
172	3	Form	Write a form to collect details of a user such as name, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author and comments for the last book he read. What is the use of <fieldset>?		5					
173	3	Form	Write a code to prepare Food Review form as shown in image given below. 		5	[LJU,2023]				
174	3	Image	Write an HTML script to render a combined image of a brand-ambassador of a product advertising some product. If user clicks on image of product, then the website of that product should be opened and if user click on brand-ambassador, then separate full image of that personality should be opened.		3					
175	3	SVG	Write an HTML script to draw a tricolor according to indian national flag with Ashok Chakra as a simple circle in between.		3					
176	3	Area,Map	Write an HTML script to render a combined image of traffic light signal from traffic.jpg. After clicking the individual signal, it should open different single pictures of red, green and yellow from red.jpg, green.jpg and yellow.jpg respectively.		3					

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
177	3	Area,Map	Write an HTML script to render a combined image of HTML,CSS and JS from info.jpg. After clicking individual name as HTML,CSS and JS, it should open different single picture of HTML info page,CSS info page and JS info page from HTML.jpg, CSS.jpg and JS.jpg respectively.		3					
178	3	SVG	Draw SVG circle, fill that with blue color, and make 8px red stroke width.		3	[LJU,2022]				
179	3	AreaMap	Write an HTML code to display an image given below . after clicking individual shape ,it should open different single picture of circle, triangle, square and polygon from circle.jpg,triangle.jpg,square.jpg and polygon.jpg respectively. 		3					
180	3	SVG	Draw a rectangle using HTML5 SVG. Fill that rectangle with blue color, and make 4px black stroke width. Also draw circle inside rectangle, fill that circle with yellow color, and make 3px red stroke width.		3					
181	3	Area,Map	Write HTML document to map a three different portion of an image to make it clickable by the end-user.		4					
182	3	SVG	Draw a line and rectangle with use of SVG tag.		3					
183	3	SVG	Draw a rounded rectangle using HTML5 SVG, fill that rounded rectangle with green color, and make 4px black stroke width.		2					
184	3	Area, Map	Write an HTML script to render a combined image of mother, father and child from family.jpg. After clicking individual person, it should open different single picture of mother or father or child from mother.jpg, father.jpg & child.jpg respectively.		3					
185	3	SVG	Create rainbow using SVG shape with seven different color's arcs.		4					
186	3	SVG	What is SVG tag? Discuss it with appropriate example.		4					
187	3	SVG	Draw a rounded rectangle using HTML5 SVG, fill that rounded rectangle with yellow color, and make 6px blue stroke width and also draw star with black color with 6 border width in red color.		4					
188	3	SVG	Draw an SVG circle with red color and blue border of 15px.		3					
189	3	map	Write HTML document to map a three different portion of an image to make it clickable by the end-user.		4					
190	3	SVG	Draw a circle inside square.		3					
191	3	SVG	Draw a star with square outside it.		3					
192	3	SVG	Draw Indian flag with border black of 2 px and all three tricolors. Also add circle (Ashok chakra) with blue color and black border.		5	[LJU,2024]				
193	3	SVG	Draw SVG Logo on a circle filled with orange color (shaded part) as shown in figure below.		5	[LJU,2023]				

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
194	3	Form	Write a code to prepare Bank Login Form as shown in image given below. 		5	[LJU,2024]				

L.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)
Note: This Practice book is only for reference purpose. LJU Test question paper may not be completely set from Practice book.

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-4:Introduction to CSS										
195	4	Boxes	In the below code snippet, in what order will the margins be added? p {margin: 25px 50px 75px 100px; }	Top, Right, Bottom, Left	0.5		Top, left, right, bottom	Top, Right, Bottom, Left	Top, bottom, right, Left	Left, Right, Bottom, top
196	4	CSS Selectors	Which CSS selectors are used to specify a group of elements?	class	0.5		id	class	tag	attribute
197	4	Pseudo element	Which of the following is/are not a pseudo element?	Only (A) and (C)	0.5		::first-word	::first-letter	::select	Only (A) and (C)
198	4	Text Properties	_____property renders 1st letters of all words capital.	text-transform	0.5		text-decoration	text-transform	text-variant	text-capitalize
199	4	Font Properties	Which CSS property is used to make the text bold?	font-weight: bold	0.5		text-align: bold	text-decoration: bold	font-weight: bold	font-style: bold
200	4	CSS	What will be the output of below mentioned code snippet? p strong {background-color: yellow;}	Strong element within a p element have a yellow background	0.5		Strong element within a p element have a yellow background	Strong element out side p element have yellow background	Both p and strong have yellow background	both (a) and (c) are true
201	4	CSS Selectors	Which of the following selectors select direct descendants?	OL>B	0.5		OL<B	OL B	OL ~ B	OL>B
202	4	External CSS	Which one is the correct syntax to link an external style sheet in the HTML file?	<link href=”demo.css” rel=”stylesheet”/>	0.5		<link src=”demo.css” type=”stylesheet”/>	<style src=”demo.css” type=”stylesheet”/>	<link href=”demo.css” rel=”stylesheet”/>	<style href=”demo.css” rel=”stylesheet”/>
203	4	Text Properties	The CSS property that is primarily used for giving a line over a text would be:	text-decoration:overline;	0.5		text-rule:underline;	text-decoration:overline;	text-rule:overline;	text-decoration:underline;
204	4	CSS	Which is the correct inline CSS for p tag to define paragraph's text and background colors?	<p style="color: red; background-color: yellow;">	0.5	[LJU,2022]	<p css="color: red; background-color: yellow;">	<p type="color: red; background-color: yellow;">	<p inline="color: red; background-color: yellow;">	<p style="color: red; background-color: yellow;">
205	4	Border	If you want to use a green dotted border around an image, which CSS property is used for that?	Both A and B	0.5	[LJU,2022]	border-style	border-color	border-decoration	Both A and B
206	4	Boxes	What does 'padding: 50px 20px;' specifies?	Both A and C	0.5	[LJU,2022]	top padding is 50px	bottom padding is 20px	right padding is 20px	Both A and C
207	4	CSS	What is CSS?	All the mentioned	0.5		CSS is a style sheet language	CSS is the language used to style the HTML documents	CSS is designed to separate the presentation and content, including layout, colors, and fonts	All the mentioned
208	4	CSS	Which has introduced text, list, box, margin, border, color, and background properties?	CSS	0.5		PHP	CSS	HTML	Ajax
209	4	Border	Select the CSS property that sets the width of an element’s bottom border.	border-bottom-width	0.5		border-width-down	border-bottom-width	border-width	border-bottom
210	4	Border	Which CSS property sets the color of an element’s all borders?	border-color	0.5		border-color	border-background	border-background-color	border-bgcolor
211	4	Boxes	Which is not the property of the CSS box model?	color	0.5		margin	padding	color	border
212	4	Boxes	Which property adds padding to the top of an element?	padding-top	0.5		padding-height	height	padding-top	top
213	4	Boxes	Which property sets a consistent margin on all four sides of the affected element?	margin	0.5		padding	border	margin	none of the mentioned
214	4	Boxes	Which of the following are parts of the CSS box model?	All of the mentioned	0.5		Padding	Borders	Margin	All the mentioned
215	4	Text Properties	Which CSS property is used to set the color of the text?	color	0.5		pallet	text-decoration	color	colour
216	4	CSS	Which of the following are valid ways to represent a colour in CSS?	All of the mentioned	0.5		RGB Values	HEX Values	A valid color name	All the mentioned
217	4	Background Properties	Which of the following property sets an element’s background color?	background-color	0.5		background-position	background-image	background-color	background-colors
218	4	CSS Text	Which CSS property sets what kind of line decorations are added to an element, such as underlines, overlines, etc?	text-decoration	0.5		text-decoration-link	text-decoration	text-line	text-style
219	4	CSS Text	How can we specify the spacing between each letter in a text in CSS?	letter-spacing	0.5		letter-spacing	alpha-spacing	character-spacing	None of the mentioned
220	4	CSS Types	What type of CSS is the following code snippet? <h1 style="color:blue;">A Blue Heading</h1>	Inline	0.5		Inline	Internal	External	None of the mentioned
221	4	CSS Types	Which HTML tag is used to declare internal CSS?	<style>	0.5		<link>	<script>	<style>	None of the mentioned

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
222	4	Style	Which tag is used to embed css in html page?	<style>	0.5		<!DOCTYPE html>	<style>	<css>	<script>
223	4	CSS font	Which CSS property sets the font size of text?	font-size	0.5		text-size	font-size	size	text
224	4	CSS position	Which CSS Property controls how an element is positioned?	position	0.5		position	static	set	fix
225	4	CSS position	Which of the following are valid CSS position property values?	All of the mentioned	0.5		relative	static	fixed	All the mentioned
226	4	CSS Selector	What type of selector is used in this case? p {line-height: 150%;}	element Selector	0.5		id Selectors	Attribute Selector	class Selectors	element Selector
227	4	CSS Selector	How can we select an element with a specific ID in CSS?	#	0.5		.	#	^	None of the mentioned
228	4	CSS Selector	How can we select an element with a specific Class in CSS?	.	0.5		.	#	^	None of the mentioned
229	4	CSS selectors	Which of the following CSS selector is used to specify a rule to bind a particular unique element?	id	0.5		id	class	tag	bind
230	4	CSS Style	Which of the following CSS style property is used to specify an italic text?	font-style	0.5		Fonts	style	font-style	font-weight
231	4	CSS Styles	Which is the correct way to apply CSS Styles?	All the mentioned	0.5		inside an HTML element	in an external CSS file	inside the <head> section of an HTML page	All the mentioned
232	4	Display	Setting an inline-block in CSS requires which one of the following properties?	display	0.5		position	display	visibility	text-align
233	4	image	_____ syntax helps to put an image before the content starts?	content:url(“e:/image/17.jpg”);	0.5	[LJU,2022]	content: (“e:/image/17.jpg”);	content:url(“e:/image/17.jpg”);	background:url (“e:/image/17.jpg”);	image:url(“e:/image/17.jpg”);
234	4	Font Properties	Which of the following collection of statements are used to render bold, italic and verdana fonts.	font-family:verdana; font-style:italic; font-weight:bold;	1		font:verdana; font-style:bold; font-weight:italic;	font-style:verdana; font-family:italic; font-style: bold;	font-family:verdana; font-style:bold; font-weight:italic;	font-family:verdana; font-style:italic; font-weight:bold;
235	4	Boxes	Consider following statements and their interpretations. Which is/are true? (1)margin-right:40px; This assigns margin from right side only. (2) margin:10px 30px: This assigns 10px margin from left-right and 30px margin from top-bottom. (3) margin:auto; This arranges entire element at center horizontally including its border.	Only 1 & 3	1		Only 1	Only 2	Only 3	Only 1 &3

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
236	4	Psuedo Element	The following example inserts an image after the content of each <h1> element.	h1::after {content: url(smiley.gif);}	1	[LJU,2023]	h1:after {content: src(smiley.gif);}	h1::after {content: url(smiley.gif);}	h1::after {content: src(smiley.gif);}	h1.:after {content: url(smiley.gif);}

237	4	CSS	What will be the output of the following CSS code?
			div {
			border-width:5px;
			border-style:dotted solid double dashed;
			}
				Box having dotted top outline, solid right outline, double bottom outline and dashed left outline	1		Box having dotted top outline, solid left outline, double bottom outline and dashed right outline	Box having dotted top outline, solid right outline, double bottom outline and dashed left outline	Box having dotted bottom outline, solid left outline, double top outline and dashed left outline	Box having dotted bottom outline, solid right outline, double top outline and dashed left outline

238	4	CSS	What will be the output of following CSS code snippet? h1 {color: red text-decoration: underline; font-style: italic;}	only font-style: italic works	1	[LJU, 2023]	text-decoration: underline and font-style: italic works	color: red, text-decoration: underline works	only font-style: italic works	color: red, text-decoration: underline and font-style: italic all works
239	4	CSS Selectors	How do you select all p elements inside a div element?	div p	1		div	div +p	div .p	div p
240	4	CSS Selectors	How will you make all paragraph elements “BLUE” in color?	p {color:blue;}	1	[LJU,2023]	p.all{color:rgb(255,0,0);}	p.all{color:#ff0000;}	p {color:blue;}	all.p {color: rgb(255,0,0);}
241	4	Font Properties	In CSS, “font-size” can be called as?	property-name	1		selector	rule	class	property-name
242	4	Font Properties	Which property is used to change the font of an element?	font-family	1		font-style	font-weight	font-bold	font-family
243	4	Psuedo Element	What are the uses of CSS pseudo-elements?	All are correct	1		Style specified parts of an element.	Style first line of an element.	Content can be inserted before & after an element.	All are correct
244	4	Text Properties	Which of the right syntax for text-transform?	hello	1	[LJU,2022]	hello	hello	hello	hello
245	4	CSS	Which of the following is the correct syntax to display the hyperlinks without any underline?	<a href="http://www.gmail.com" style="text-decoration:none">gmail</a>	1	[LJU,2022]	<a href="http://www.gmail.com" style="text-decoration:underline">gmail</a>	<a href="http://www.gmail.com" style="text-decoration:overline">gmail</a>	<a href="http://www.gmail.com" style="text-decoration:none">gmail</a>	<a href="http://www.gmail.com" style="text-decorate:line">gmail</a>
246	4	Background Properties	Which of the following is correct syntax for vertically repeated background-image in web page with pink background color?	background: pink url(“img_tree.png”) repeat-y;	1	[LJU,2023]	background: pink url(“img_tree.png”) repeat-x;	background: pink content(“img_tree.png”) repeat-x;	background: pink url(“img_tree.png”) repeat-y;	background: pink content(“img_tree.png”) norepeat;
247	4	Border	Which of the following property defines in a shorthand form the width, style, and color for the top border of an element?	border-top	1		border-top	border-width	border-height	border-style

248	4	Border	What will be the output of the following code.
			<style>
			p{
			border-color:black orange;
			border-style: double solid;
			}
			</style>
			 hello
				paragraph having double top & bottom border in black color, solid left & right border in orange color	1	[LJU, 2023]	paragraph having solid top & bottom border in black color, double left & right border in orange color	paragraph having double top & bottom border in black color, solid left & right border in orange color	paragraph having double top & bottom border in orange color, solid left & right border in black color	paragraph having solid top & bottom border in orange color, double left & right border in black color

249	4	Boxes	What will be the total width of the div element given below?
			div {
			width: 310px;
			padding: 20px;
			border: 5px solid blue;
			margin: 0;
			}
				360px	1	[LJU, 2023]	310px	320px	340px	360px

250	4	CSS Selector	The _____ attribute is used to define the name(s) of the class(es) to which a particular tag belongs.	class	1		element	class	id	attribute
251	4	box	What does the CSS box-shadow property do?	Adds one or more shadows around an element’s box	1		Adds padding to an element	Adds one or more shadows around an element’s box	Sets the border color of an element	Applies a gradient background
252	4	selectors	Which is the correct syntax for a descendant selector in CSS?	.container p	1		.container > p	.container p	.container + p	p.container
253	4	psuedo class	How do you select elements that are not of a specific class, for example, elements not having the class inactive?	*:not(.inactive)	1	[LJU,2024]	:not(inactive)	:not(:inactive)	.not(.inactive)	*:not(.inactive)
254	4	Transition, transform	Identify the correct code to apply 20px vertical margin & centering the element horizontally within its block.	div {margin: 20px auto;}	1	[LJU,2024]	div {margin: auto;}	div {margin: auto 20px;}	div {margin: 20px auto;}	div {margin-top: auto; margin-left: 20px;}

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
255	4	background image	Which of the correct syntax for horizontally repeated background-image in web page?	body {background-image:url(“o.jpg”); background-repeat:repeat-x;}	1	[LJU,2022]	body { background-imag:url(“o.jpg”); }	body {background-image:url(“o.jpg”); repeat-x;}	body {background-image:url(“o.jpg”); repeat-img:repeat-y;}	body {background-image:url(“o.jpg”); background-repeat:repeat-x;}
Descriptive Questions										
256	4	CSS	Write CSS to get following formatting for the paragraph. i) text-color-green ii) text-indentation-2cm iii) font-courier iv) font-style-italic v) text-case-Uppercase		2	[LJU,2022]				
257	4	Background Properties	Write a code to add background image.		2					
258	4	Text Properties	Write CSS code to display headings in navy color and the paragraph text in maroon color.		2					
259	4	CSS Fonts	Write a code to set the fonts for text using font-family property of CSS.		2					
260	4	CSS Properties	Write down HTML/CSS code to create table with 5 rows and 3 columns. Even no. of rows display in green color and odd no. of rows display in yellow color. Use External CSS file.		2					
261	4	CSS Pseudo Classes	Specify the CSS to provide following effects on link: (1) after visited blue color (2) before visited red color.		2					
262	4	CSS Selector	Write a code to apply the effect to only specific element using class selector.		2					
263	4	CSS Selector	How can a style rule be defined with an id red heading that gives red color to heading h1 with text of heading right aligned?		2					
264	4	CSS Text	Write a code to demonstrate the use of text-indent property.		2					
265	4	CSS Text	Write a code to demonstrate the use of word-spacing property.		2					
266	4	CSS Text	Write a code to demonstrate the use of letter-spacing property.		2					
267	4	Boxes	Write a code to demonstrate use of CSS margin property.		3					
268	4	CSS position	Write a code to demonstrate use of CSS positioning property.		3					
269	4	CSS Properties	Write an External CSS with following rules. i) To make all the headers with normal font and having size 150%. ii) To display the paragraphs in arial font with bold style. Show the use of above css with html file by linking it.		3					
270	4	CSS Selector	Define a class which defines a text alignment style to be left. Show how this same style can be applied to multiple tags?		3					
271	4	CSS Text	Write a code to demonstrate the use of text-transform property.		3					
272	4	CSS Text	Write a code to demonstrate the use of text-decoration property.		3					

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
273	4	Pseudo element	Write down HTML/CSS code in separate CSS file and also show how to link this CSS file in HTML file for following. Take two header tag. First letter of first header tag should be red color and 160% size. This is a heading This is a heading		4					
274	4	CSS	Write following style in separate CSS file. 1)write one paragraph using <p> tag..color of first line of paragraph should be green and text is italic. 2)when you select any text of heading ,background color of selected text will become grey. create one ordered list which is start with capital roman letters. color of list should be green and font-size should be 30px.		4					
275	4	CSS Float	Write HTML/CSS script to display 2 sections of 40% width using tag. Both these sections are having title & description. Both these should be horizontally adjecent to each other.		4					
276	4	CSS Properties	Write HTML/CSS code for the following: i) Set the background color for the hover and active link states to "Yellow". ii) Set "paper.jpg" as the background image of the page.		4					
277	4	box	Write HTML/CSS code having element styled as a perfect circle. Then, using CSS, apply a lightblue shadow around it.		4					
278	4	CSS	Write HTML & CSS code to design registration form having fields like Name, Password, Contact Number, Gender, Submit button & Reset Button. Follow below requirements: • While clicking on Name text, background-color of its input field change to light-green. • While hovering on password & Contact number text, font-size of its input fields will increase respectively. • While clicking on gender fields, background-color of the text should change to blue. • Both submit & reset button text should bold & italic, while hovering.		5					
279	4	CSS Selectors	Write HTML & CSS script to design a signup form having fields like Username, password, choices of sports like Cricket, Hockey, Badminton & Tennis. Include gender field, submit and reset buttons. Follow below requirements: i) While hovering username & password, its background should turn yellow color and pink color respectively. ii) While clicking sports and gender fields, text should turn to red color. iii) Both submit and reset button text should turn blue, while hovering. iv) Use appropriate selectors.		5	[LJU,2022]				
280	4	CSS Properties	Write the following styles in separate CSS file and also show how to link this CSS file in HTML file and show use of styles. i) The headings should have normal font style and font's size should be 120%. ii) Define class arial for paragraph which defines font family arial and font style bold having 3cm spacing for paragraph initialization. iii) Apply background color orange and apply a background image "nature.jpg" and it should be repeated horizontaly only.		5					
281	4	background	Write the HTML/CSS code to design a web page that contains a element with a border, some padding, and a background image. The background should appear only within the content and padding area of the element, and it must not extend into the border space.		5					
282	4	grid	Write the HTML/CSS code to create a simple 3-column product grid. Each column should display a smartwatch with a product name below it. All images should have the same height and fit the width of their columns.		5					

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
283	4	CSS, background image	Write the following styles in separate CSS file and also show how to link this CSS file in HTML file and show use of styles. i)The headings should have normal font style and font's size should be 240% also right aligned. ii)Define a class container for paragraph which defines font family times new roman and font style bold with green color text having 2cm spacing for paragraph initialization. iii)Apply background image "nature.jpg" and it should be repeated vertically only.		5	[LJU,2023]				

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Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-5:CSS Effects, Animations & Responsive Design											
284	5	Transperancy	The CSS property used to specify the transparency of an element is –	Remembering-Multiple_Choice	opacity	0.5		overlay	hover	clearfix	opacity
285	5	Scaling	Which is the correct way to stretch a section half horizontally & double vertically.	Remembering-Multiple_Choice	scale(0.5,2)	0.5		scale(2,0.5)	scale(0.5,2)	scaleX(2);scaleY(0.5)	both (a) and(c)
286	5	Animation	Which of the following CSS property is used to indicate an animation plays in reverse?	Remembering-Multiple_Choice	animation-direction	0.5		animation-count	animation-iteration	animation-direction	animation-state
287	5	round image	_____is the valid syntax to execute rounded image.	Remembering-Multiple_Choice	img{border-radius:5px;}	0.5	[LJU,2022]	img{border-type:5px;}	img{border:5px;}	img{border-radius:5px;}	img{border-width:5px;}
288	5	Animation	_____ is the valid statement to run an animation in one way only for 3 times in forward direction.	Applying-Multiple_Choice	animation-iteration-count:3; animation-direction:forward;	1		animation-iteration:3; animation-way:reverse;	animation-count:3; animation-direction:forward;	animation-iteration-count:3; animation-direction:forward;	animation-iteration-count:finite; animation-direction:normal;
289	5	Gradient	_____ is the valid statement to fadeout more than one colors from a center point of a circle.	Applying-Multiple_Choice	background-image:radial-gradient(circle,red,yellow,green)	1		background-color:radial-gradient(red,yellow,green)	background-color:radial-gradient(circle,red,yellow,green)	background-image:radial-gradient(circle,red,yellow,green)	background-image:conic-gradient(circle,red,yellow,green)

290	5	Transition	Add a 2 second transition effect for width and height changes of the element.
			<style>
			div
			{
			width: 100px;
			height: 100px;
			background-color: red; : ;
			}
			div:hover
			{
			width: 300px;
			height: 300px;
			}
			</style>
			<body>
			 This is a div
				Applying-Multiple_Choice	transition: width 2s, height 2s;	1		transition: width 2s, height 2s;	transition-transform: width 2s, height 2s;	transition: width:2s, height:2s;	transform: width 2s, height 2s;

291	5	Gradient	Which is correct syntax from following, to set a linear gradient, transitioning from “blue” to "yellow"?	Understanding-Multiple_Choice	background-image: linear-gradient(blue,yellow);	1		background-image: linear-gradient(blue,yellow);	backgroundimage: linear-gradient(blue,yellow);	background-image: lineargradient(blue,yellow);	background-image: linear-gradient (from blue, to yellow);

292	5	liner gradient	Set a linear gradient background for the element gradient that starts at top left (and goes to bottom right), transitioning from "white" to "green".
			
			<style>
			div {
			_____ : (, ,);
			}
			</style>
			
			<body>
			
			</body>
				Remembering-Multiple_Choice	background-image: linear-gradient(to bottom right, white, green);	1		background-image: linear-gradient(to right, white, green);	background-color:linear-gradient(to left right, white, green);	background-image: linear-gradient(to bottom right, white, green);	background-image: linear-gradient(to bottom right, green, white);

293	5	Conic gradient	How to set a background for the element, which rotate color around a center point?	Remembering-Multiple_Choice	background-image:conic-gradient(red,yellow,green,blue);	1		background-color:linear-gradient(red,yellow,green,blue);	background-image:linear-gradient(red,yellow,green,blue);	background-color:conic-gradient(red,yellow,green,blue);	background-image:conic-gradient(red,yellow,green,blue);
294	5	CSS column	Which of the following property defines the style of the rule between columns in a multicolumn text flow?	Remembering-Multiple_Choice	column-rule-style	1		column-style	column-style-gap	column-rule-style	column-rule-flow
295	5	transition	The element has specified a transition effect for the width property within 8 seconds. Give the correct syntax for the same.	Remembering-Multiple_Choice	div {transition: width 8s;}	1	[LJU,2022]	div {transition-dealy: width 8s;}	div {transition-type: width; transition-delay:8s;}	div {transition: width; transition-delay:8s;}	div {transition: width 8s;}
296	5	Multiple columns	_____ is the correct way to divide a paragraph in columns like newspaper.	Remembering-Multiple_Choice	column-count:3; column-gap:30px; column-rule-style: dashed;	1	[LJU,2022]	column-no:3; column-space:30px; column-rule-style: dashed;	column:3; column-space:30px; column-line: dashed;	column-no:3; column-spacing:30px; column-rule-style: dashed;	column-count:3; column-gap:30px; column-rule-style: dashed;

Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4

297	5	Gradient	Set a radial gradient background for the element, transitioning from "white" to "green", in a circle shape.
			
			<style>
			div {
			  background-image: radial-gradient(___ , _____ , ____);
			}
			</style>
			
			<body>
			
			</body>
				Applying-Fill_In_The_Blank	circle, white, green	1		radial, white, green	circle, white, green	circle, green, white	radial, green, white

298	5	Gradient	What are the names of different gradients in CSS?	Remembering-Multiple_Choice	Linear Gradients, Radial Gradients, and Conic Gradients	1		Linear Gradients, Radial Gradients, and Conic Gradients	Linear Gradients, Vertical Gradients, and Corner Gradients	Horizontal Gradients, Vertical Gradients, and Conic Gradients	Linear Gradients, Radial Gradients, Vertical Gradients, and Conic Gradients
299	5	Animations	Which of the following css property is used to define the time it takes one iteration of an animation to play?	Remembering-Multiple_Choice	animation-duration	1		control	animation-duration	transition-time	all of the mentioned
300	5	Animations	Which of the following css property is used to indicate if an animation plays in reverse or repeats itself every other iteration?	Remembering-Multiple_Choice	animation-direction	1		animation-iteration	animation-check	animation-direction	animation-state
301	5	Animations	Which of the following css property allows elements to be rotated, scaled, and skewed in a variety of different ways?	Remembering-Multiple_Choice	transform	1		transform-3D	transform-origin	transform	transition
302	5	Multiple column	Which of the following property defines the number of columns in a multicolumn text flow?	Remembering-Multiple_Choice	column-count	1		column	column-flow	column-number	column-count
303	5	Multiple column	Which of the following property defines the gap between columns in a multicolumn text flow?	Remembering-Multiple_Choice	column-gap	1		column-rule-flow	column-gap	column-rule	None
304	5	Style images	Which CSS property sets the opacity for the whole element?	Remembering-Multiple_Choice	opacity	1		fade	opacity-value	opacity	background-opacity
305	5	Transitions	Which of the following transform property value defines a 2D translation?	Remembering-Multiple_Choice	translate(x,y)	1		translate(x,y)	translate2D(x,y)	translate3D(x,y)	all of the mentioned
306	5	Transitions	Which of the following is NOT a valid value for the CSS property transition-timing-function?	Remembering-Multiple_Choice	smooth	1		ease	linear	step-end	smooth
307	5	Transitions	Which of the following is a valid value for transition-timing-function?	Remembering-Multiple_Choice	ease-in-out	1		smooth	fast-slow	ease-in-out	step-linear
308	5	CSS variable	What function is used to insert values of a CSS variable?	Remembering-Multiple_Choice	var()	0.5		var()	rand()	varchar()	calc()

309	5	Transition, transform	What will the following CSS code do when the element is hovered?
			div {
			height:200px;
			width:200px;
			border:1px solid black;
			transition: transform 0.3s;
			}
			div:hover {
			  transform: scale(1.2);
			}
				Applying-Multiple_Choice	The will grow to 1.2 times its original size over 0.3 seconds.	1	[LJU,2024]	The will rotate 1.2 degrees vertically over 0.3 seconds.	The will grow to 1.2 times its original size over 0.3 seconds.	The will move horizontally by 1.2 times its width over 0.3 seconds.	The will rotate 1.2 degrees vertically & horizontally over 0.3 seconds.

310	5	Transformations	How to rotate a div with id mydiv by 30deg?	Remembering-Multiple_Choice	#mydiv{transform:rotate(30deg);}	1	[LJU,2022]	#mydiv{ rotate:30deg;}	#mydiv{transform:30deg;}	#mydiv{transform:rotate(30deg);}	#mydiv{transform:rotation(30deg);}
Descriptive Questions											
311	5	Style images	Write down HTML/CSS code that use the border property to create thumbnail images.	Applying-Short_Answer_2_5_Min		2					
312	5	Style images	Write down HTML/CSS code that use the border-radius property to create rounded images.	Applying-Short_Answer_2_5_Min		2					
313	5	Style images	Write down HTML/CSS code that flip an image as you move the mouse over the image.	Applying-Short_Answer_2_5_Min		2					
314	5	Gradient	Write down HTML/CSS code that shows a linear gradient that starts at top left (and goes to bottom right). It starts red, transitioning to yellow.	Applying-Short_Answer_2_5_Min		2					
315	5	Gradient	Write down HTML/CSS code that show how to create a linear gradient (from left to right) with the color of the rainbow and some text like "Rainbow".	Applying-Short_Answer_2_5_Min		2					
316	5	Gradient	Write HTML/CSS code to make a circle with a conic gradient divided into three equal parts: red, yellow, and blue.	Applying-Short_Answer_2_5_Min		2					

Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4
317	5	Animations	Write HTML/CSS code that the animation will last for 4 seconds, and it will gradually change the background-color from "red" to "yellow".	Applying-Short_Answer_2_5_Min		2					
318	5	Multiple columns	Write an HTML & CSS script to divide a paragraph in 3 columns having 5px spacing in between with dashed border.	Applying-Long_Answer_5_10_Min		3					
319	5	CSS Transition	Write down HTML & CSS code to increase the element to be two times of its original width and three times of its original height with transition effect.	Applying-Long_Answer_5_10_Min		3					
320	5	Variables	Design the use of the var() function to declare & access the variable globally, inside the :root selector.	Applying-Long_Answer_5_10_Min		3					
321	5	2D Transformation	Write down HTML/CSS code to move the element 50 pixels to the right, and 100 pixels down from its current position	Applying-Long_Answer_5_10_Min		3					
322	5	2D Transformation	Write down HTML/CSS code to rotates the element clockwise with 20 degrees.	Applying-Long_Answer_5_10_Min		3					

Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4
323	5	2D Transformation	Write down HTML/CSS code to rotates the element counter - clockwise with 20 degrees.	Applying-Long_Answer_5_10_Min		3					
324	5	2D Transformation	Write down HTML/CSS code to decreases the element to be half of its original width and height.	Applying-Long_Answer_5_10_Min		3					
325	5	2D Transformation	Write down HTML/CSS code to increases the element to be two times of its original width, and five times of its original height	Applying-Long_Answer_5_10_Min		3					
326	5	Media Queries	Write down HTML/CSS code that changes the background-color to blue if the viewport is 250 pixels wide or wider (if the viewport is less than 250 pixels, the background-color will be pink)	Applying-Long_Answer_5_10_Min		3					
327	5	Style images	Write down HTML/CSS code that add some text to an image in the bottom right corner and top left corner along with use of opacity property of image.	Applying-Long_Answer_5_10_Min		3					
328	5	Animations	Write HTML and CSS code to animate a square that moves up and down continuously, with the animation running forever in alternate direction.	Applying-Short_Answer_2_5_Min		3					

Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4
329	5	animation	Write HTML and CSS script to design one table having 3 columns and 5 rows. Add random data. While hovering, it should be expanded around 50% horizontally, background-color and font color will become red and white respectively. Expansion should take place in 2 seconds	Applying-Long_Answer_5_10_Min		4					
330	5	Animation	Write HTML & CSS code to design one banner using any heading tag. That heading should move in counter-clockwise and complete its iteration then return back in clockwise on its starting position. Use blue text color. And effect should begin after 3 second of loading page.	Applying-Descriptive_10_15_Min		4					
331	5	Media Queries	Write an HTML & CSS script to design two tables having 3 rows & 3 columns of 50% width each horizontally adjacent to each other. They have blue and green background colors respectively. If page turns to portrait mode, then background colors of tables should be swapped. Responsive concept must be observed while shrinking width of page.	Applying-Long_Answer_5_10_Min		5					
332	5	Hovering	Write an HTML and CSS script to design 3 sections having 20% height and full width. Apply following requirements: i)Each section has a title and a paragraph. By hovering each section, it should be enclosed by a red border. ii) By hovering title of each section, it should be converted to red color. iii)By hovering paragraph of each section, it should take a 2cm of beginning space and letter of each word capital. iv) Store all CSS properties in global CSS variables.	Applying-Long_Answer_5_10_Min		5	[LJU, 2023]				
333	5	Transition	Write HTML & CSS to make a div change its background color from red to yellow in 3 seconds when hovered, using ease-in timing.	Applying-Long_Answer_5_10_Min		3					
334	5	Transition	Create a button that increases its width from 100px to 200px on hover in 1 second with ease-out.	Applying-Long_Answer_5_10_Min		3					

Sr. No.	chapter_number	keyword	question_text	type	answer_text	marks	previous_year	option1	option2	option3	option4
335	5	Transition	Create a webpage with a square box that meets the following requirements: 1. The box is 100px by 100px and initially blue. 2. On hover, the box should: a. Change its background color to green smoothly in 2 seconds. b. Double its size using scaling. c. Move 50px to the right. 3. The animation should use ease-in-out timing function. Write the HTML and CSS code.	Applying-Long_Answer_5_10_Min		5					
336	5	Animations	Write HTML & CSS code to design one tag which grows in size while rotating 1200 degrees with 2 different background color and again back to its original size and background color. An effect should begin after 3 second of loading page and it is continuing forever.	Applying-Long_Answer_5_10_Min		5	LJU-2024				
337	5	Animations	Write HTML & CSS script to design one banner of advertisement using <p> tag. That text of advertise should move continuously from left end to right end, then return back from right to left end. Use red and huge fonts for text. Advertise should begin after 1 second of loading page.	Applying-Long_Answer_5_10_Min		5					

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Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)

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Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-6: Introduction to Bootstrap & Utility Classes										
338	6	bootstrap-5 setup	What is the purpose of the following tag in a Bootstrap page?<meta name="viewport" content="width=device-width, initial-scale=1">	Ensures responsive scaling on mobile devices	1		Enables dark mode	Ensures responsive scaling on mobile devices	Loads Bootstrap faster	Centers the container
339	6	container	.container in Bootstrap 5 is:	A fixed-width container with breakpoint-based max-widths	1		Always 100% width	A fixed-width container with breakpoint-based max-widths	Only for nesting .row	Deprecated in v5
340	6	container-fluid	.container-fluid is:	100% width at all breakpoints	1		100% width at all breakpoints	100% width only on mobile	Fixed width on xl and above	Auto width, never full width
341	6	container	What does .container-lg do?	Fluid until lg, then fixed max-width from lg up	1		Fixed width at all sizes	Fluid until lg, then fixed max-width from lg up	Fixed until lg, then fluid above	Same as .container-fluid
342	6	container	Which class provides the widest fixed breakpoint in Bootstrap 5?	.container-xxl	1		.container-xl	.container-md	.container-xxl	.container-sm
343	6	margin	Which utility class adds margin top = 3 units?	mt-3	1		mt-3	pt-3	ml-3	mb-3
344	6	display	Which class makes an element behave like an inline-block?	d-inline-block	1		d-inline	d-block	d-inline-block	d-flex
345	6	background-color	Which class applies a Bootstrap background color?	bg-primary	1		text-primary	bg-primary	color-primary	background-primary
346	6	text-color	To change the text color to success (green), which is correct?	text-success	1		bg-success	color-success	text-success	txt-green
347	6	width	Which class makes an element take 100% width?	w-100	1		w-auto	w-100	max-w-100	full-width
348	6	border	Which class applies a border only on top?	border-top	1		border-all	border-top	border-1	border-only-top
349	6	typography	Which class converts text to uppercase?	text-uppercase	1		text-lowercase	text-uppercase	text-capitalize	text-transform
350	6	shadow	Which class applies a large shadow?	shadow-lg	1		shadow-sm	shadow-md	shadow-lg	shadow-big
351	6	background	Which class makes background transparent?	bg-transparent	1		bg-white	bg-transparent	bg-light	bg-none
352	6	text	Which class aligns text to the center?	text-center	1		align-center	text-align-center	text-center	center-text
353	6	margins	Which utility sets auto left and right margins (centers block)?	mx-auto	1		m-0	mx-auto	ml-auto	my-auto
354	6	padding	Which class applies padding left & right = 5 units?	px-5	1		p-5	px-5	py-5	pt-5
355	6	flex	Which class places flex items horizontally with space between?	justify-content-between	1		justify-content-around	justify-content-evenly	justify-content-between	align-items-between
356	6	margin	Which class adds equal margin on left & right?	mx-*	1		mx-*	my-*	mt-*	ml-*
357	6	padding	Which class adds vertical padding only?	py-*	1		px-*	py-*	pt-*	pl-*
358	6	text-color	Which class is used for muted text color?	text-muted	1		text-light	text-muted	text-gray	text-secondary
359	6	width	Which class makes an element 50% width?	w-50	1		w-50	w-half	width-50	max-w-50
360	6	position	Which class makes an element relative positioned?	position-relative	1		pos-relative	position-relative	relative	d-relative
361	6	background	Which class gives a warning (yellow) background?	bg-warning	1		bg-alert	bg-warning	background-warning	bg-yellow
362	6	flex	Which class arranges flex items in a column?	flex-column	1		d-flex-column	flex-col	flex-column	d-column
363	6	text-color	Which class applies the Bootstrap danger red color to text?	text-danger	1		bg-danger	text-danger	color-danger	danger-text
364	6	image	Which class turns an image into a perfectly circular avatar (assuming the image is square)?	rounded-circle	1		rounded	rounded-pill	rounded-circle	img-circle

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
365	6	image	Which class adds a thin border and padding to an image to make it look like a photo print?	img-thumbnail	1		img-frame	img-bordered	img-thumbnail	img-card
366	6	image	Which class gives an element slightly rounded corners (small border-radius)?	rounded	1		rounded-sm	rounded	rounded-all	rounded-corner
367	6	table	Which table class makes a Bootstrap table have zebra-striping on rows?	table-striped	1		table-striped	table-bordered	table-hover	table-sm
368	6	table	Which class will highlight a table row on hover (pointer-like effect)?	table-hover	1		table-active	table-highlight	table-hover	table-pointer
369	6	grid	In Bootstrap grid, which class makes a column take up 6 of 12 columns on medium (≥768px) screens?	col-md-6	1		col-md-6	col-6-md	col-lg-6	col-sm-6
370	6	alert	Which alert class gives an alert the standard success (green) appearance?	alert-success	1		alert-info	alert-success	alert-primary	alert-successful
371	6	alert	How do you make a Bootstrap 5 alert dismissible (show a close button and allow it to be closed)?	Add alert-dismissible class and include a close button with data-bs-dismiss="alert"	1		Add dismissible attribute to	Add alert-dismissible class and include a close button with data-bs-dismiss="alert"	Add data-dismiss="alert" only on the alert div	Set role="alert-close" on the alert
372	6	btn	Which class gives a Bootstrap button the large size variant?	btn-lg	1		btn-lg	btn-large	btn-size-lg	btn-big
373	6	spinner	By default, spinners in Bootstrap 5 use which color?	Blue (primary theme color)			Gray	Blue (primary theme color)	Black	White
374	6	spinner	Which class creates a growing spinner?	spinner-grow			spinner-ring	spinner-grow	spinner-loader	spinner-fill
375	6	button	Which class is used for an outline primary button?	btn-outline-primary			btn-outline-primary	btn-primary-outline	btn-border-primary	btn-outline
376	6	spinner	Which utility makes a spinner centered ?	d-flex align-items-center justify-content-center			spinner-center	d-flex align-items-center justify-content-center	spinner-fixed	full-center
377	6	spinner	Which class is used to create a border spinner in Bootstrap 5?	spinner-border			spinner-grow	spinner-border	spinner-ring	spinner
378	6	flex	Which of the following class we have to add for vertical navigation?	flex-column	0.5	[LJU,2023]	flex-row	flex-column	flex-tuple	Both A and B

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
379	6	flex box	which of the following class is used to wrap the flex items when browser width decrease?	flex-wrap	1		wraping	warp	no-warp	flex-wrap
380	6	table	which of the following will be used If you want your form elements to appear side by side?	class="row",class="col"	1		class="row",class="col"	class="row"	class="col"	None of these
381	6	dropdown	Dropdown will not expand without _____ class or attribute.	dropdown-toggle	1	[LJU,2024]	data-bs-toggle	dropdown-toggle	data-target	aria-expanded
382	6	dropdown	Which of the following class/es will be used to put a divider between two nav items in a dropdown?	dropdown-divider	1	[LJU,2024]	dropdown-header	dropdown-footer	dropdown-divider	dropdown-group
383	6	flex	Which of the following valid classes are used to change the alignment of flex items?	justify-content-around	1	[LJU,2024]	justify-items-center	justify-content-around	justify-flex-start	justify-align-center
384	6	grid	Fill in the blank: setting a grid tier of .col-sm-6 says_____	Make the div 6 columns wide on sm and above	1	[LJU,2024]	break into 6 columns on sm and above	break into 6 columns only on sm	break into 6 columns on md and above	break into 6 columns below sm
385	6	grid	_____ class arranges controls vertical if screen size goes <1400px.	col-xl	1	[LJU,2024]	col-sm	col-md	col-xl	col-lg
386	6	alerts	Which of the following is correct method to add a close button in alert box (that will dismiss the alert box).	<button type="button" class="btn-close" data-bs-dismiss="alert"></button>	1	[LJU,2024]	<button type="button" class="btn-close" data-bs-dismiss="alert"></button>	<button class="close" data-dismiss="alert">×</button>	<button id="close" data-dismissible="alert">×</button>	<button class="btn-close" dismiss="alert">×</button>
Descriptive Questions										
387	6	Responsive Web-design	Write a script to create two sections having table column enter random data in table that data should have font size in rem unit. Shrink the width of table to observe the responsive image of all tables should be display vertically on sm device, compulsory using classes of tables.		2					
388	6	Responsive Web-design	Write html/css script using bootstrap to create two sections using div tag first section as heading and second section as its description. Heading should be center align and description should be left align in that section includes responsive web page concepts.		5					
389	6	Responsive Web-design	Write html/css script using bootstrap to take four sections using div. first section has text related componets like paragarph abbr and pre tag.second section has a table having three rows first is lowercase , second upeercase and third capitalize. third div has simple directcase in justify manner and last div has blockquote all div width are 25%.		5					
390	6	Responsive Web-design	Write a program to apply text properties to heading text tag, p tag , pre tag, and check which are working with which tag also verify display property to heading tag.		5					
391	6	Responsive Web-design	Write bootstrap script to have two sections of image and image discription, left div description and right div should have photo. give appropriate partition classes and observe responsive concepts.		5					
392	6	Responsive Web-design	Write a script to create four sections having table coulmn enter random data in table that data should have font size in rem unit. Shrink the width of table to observe the responsive image all four table should be display vertically on sm device(try various class of table).		5					
393	6	Responsive Web-design	Write html/css script using bootstrap to set four images of some product horizonatlly and show their price , features and available quntity in grid system, responsive effect must be observed.		5					
394	6	table	Make a table using following classes. - table-striped, table bordered, table-hover and table-sm.		3					
395	6	Responsive Web-design	Write an HTML script using bootstrap to design a page of newspapaer having three articles by showing only titles initially. Script should enable a render to open a particular article viewing and clicking its title and close it by clicking it again.if render opens any other article, then previous article should disappear.		5					
396	6	Responsive Web-design	Write html/css script using bootstrap to create three sections using div tag first section as heading and second section as its description and third section has respective links to search that image. Show responsive web page concepts.		5					
397	6	Responsive Web-design	Write html/css script using bootstrap to take two sections using div. Use any three typography classes in 1st section. Second section has a table. Observe responsive concepts and use table oriented classes in 2nd section.		5					
398	6	text	Write a program to apply text properties to heading text tag, p tag , pre tag. Apply color classes to these text.		5					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
399	6	Collapse	Write bootstrap to create a simple collapse button and open/close one section of paragraph by clicking that button.		5					
400	6	Responsive Web-design	Write a script to create four sections having table coulmn. Enter random data in table. Table should have different color classes for different rows. Shrink the width of table to observe the responsive image all four table should be display vertically on sm device(try various class of table).		5					
401	6	Responsive Web-design	Write html/css script using bootstrap to set four images of some product horizonatlly and show their price , features and available quntity in grid system, responsive effect must be observed. Sections should be responsive by shrinking width of 1400px.		5					
402	6	meta	What is the importance of <meta> tag in Bootstrap grid system. What happens if it is not there?		3					
403	6	Responsive Web-design	Write an HTML script using bootstrap to design a page of essay having three titles by showing only titles initially. Script should enable a render to open a particular essay by viewing and clicking its title and close it by clicking it again.if render opens any other title then previous title should disappear.		5					
404	6	grid system	What happens in Bootstrap grid system, if no. of columns are not specified to set partition?		3					
405	6	flex	create horizontal flex box in which item will be displayed in reverese order.		2					
406	6	flex	Create responsive flexbox which wraps the content according to screensize.		1					
407	6	Accordian	Write an HTML script using bootstrap to design a page of essay having three titles by showing only titles initially. Script should enable a render to open a particular essay by viewing and clicking its title and close it by clicking it again. If render opens any other title then previous title should disappear.		5					
408	6	Navbar & Carousel	Create a responsive webpage using Bootstrap 5 that includes a navigation bar and a carousel. The navigation bar should include a brand name(image not mandatory), a collapsible menu, and only 3 links for "Home," "About," and "Contact." The menu should collapse into a toggle button on smaller screens. Below the navigation bar, implement a carousel with 2 slides only, each containing an image and a caption. The carousel should automatically cycle through the slides. (No need to create any buttons) Write the complete HTML structure required to achieve this layout, ensuring proper use of Bootstrap 5 classes and attributes only.		5					
409	6	Accordian	Write an HTML script using bootstrap to design a page of newspaper having three articles by showing only titles initially. Script should enable a render to open a particular article viewing and clicking its title and close it by clicking it again. If render opens any other article, then previous article should disappear		3,5	[LJU,2023]				
410	6	Collapse	Write a script to design 3 FAQs with question and answer. Initially it shows all 3 questions only. By clicking particular question, it should display answer of that question only. If user clicks any other question, then respective answer should be opened and previous answer should disappear.		5	[LJU,2023]				
411	6	cols	Design one web-page for “online-shopping of beauty products”. Use Bootstrap concept for display images of different beauty products in proper alignment.		4	[LJU,2023]				

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Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)
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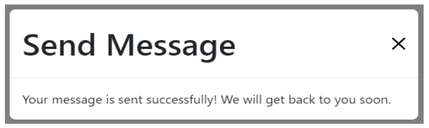
Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-7:Bootstrap Components: Navigation & Forms										
412	7	Select menu	Which of the following class is used to style a select menu in Bootstrap 5?	form-select	0.5		form-control	form-dropdown	form-select	form-option
413	7	Width class	_____ class arranges controls vertical if screen size goes <1400px.	col-xxl	0.5		col-sm	col-xl	col-xxl	col-xs
414	7	Navbar	_____ is a correct set of classes/attributes to handle collapsing mechanism of navbar with collapsible icon.	navbar-toggler, data-bs-toggle, data-bs-target, navbar-toggler-icon	1		navbar-toggle, data-bs-toggle, data-bs-target, navbar-toggle-icon	nav-toggle, data-bs-toggle, data-bs-target, navbar-toggle-icon	navbar-toggle, data-bs-toggler, data-bs-target, navbar-toggle-icon	navbar-toggler, data-bs-toggle, data-bs-target, navbar-toggler-icon
415	7	Carousel	which of the following set of classes denotes bootstrap carousel next button?	carousel-control-next, carousel-control-next-icon	1		carousel-control-icon, carousel-control-previous, carousel-control-inner	carousel-control-next, carousel-control-next-icon	carousel-inner, carousel-control-icon, carousel-control-next	carousel-control-previous, carousel-control-next-icon
416	7	Carousel	Which of the following set of classes denotes bottom indicators, slide show and arrow buttons for Bootstrap carousel respectively?	carousel-indicators, carousel-inner, carousel-control-prev-icon	1	[LJU,2023]	carousel-control-indicators, carousel-inner, carousel-control-prev-icon	carousel-indicators, carousel-control-inner, carousel-control-next-icon	carousel-indicators, carousel-inner, carousel-control-prev-icon	carousel-indicators, carousel-item-slide, carousel-control-icon
417	7	Toggle switch	Which of the following is correct code to render toggle switch in Bootstrap form?	<div class=”form-check form-switch”><label> <input type=”checkbox” class=”form-check-input” checked/>ON/OFF</label>	1		<div class=”form-check form-switch”><label> <input type=”checkbox” class=”form-check-input” checked/>ON/OFF</label>	<div class=”form-check form-toggle”><label> <input type=”checkbox” class=”form-check-input” checked/>ON/OFF</label>	<div class=”form-check form-switch”><label> <input type=”radio” class=”form-check-input” checked/>ON/OFF</label>	<div class=”form-check form-switch”><label> <input type=”checkbox” class=”form-check” checked/>ON/OFF</label>
418	7	navbar	Which of the following class is used to create a navbar with icon	navbar-brand	1	[LJU,2023]	navbar-brand	nav-img	navbar-img	navbar-icon
419	7	Modal	Which attribute is used in <button> or <a> to create dialog box?	data-bs-toggle=“modal”	0.5		data-bs-toggle=“modal”	data-toggle=“modal”	data-bs-toggle=“dialog”	data-toggle=“dialog”
420	7	Navbar	To create standard navigation bar horizontally which of the following is the correct syntax?	<nav class=“nav navbar-expand-sm”>	0.5		<nav class=“navbar” >	<nav class=“navbar-nav”>	<nav class=“navbar-nav navbar-expand-sm”>	<nav class=“nav navbar-expand-sm”>
421	7	form	Which of the following class be used to put a header between two items in a dropdown?	dropdown-header	0.5		dropdown_header	dropdown-border	dropdown-header	drop-header
422	7	introduction	Bootstrap 5 often specifies fonts and border sizes in terms of REMs. What is a REM equal to?	16 pixels	1		12 pixels	16 pixels	1 pixel	.01 sievert
423	7	navigation	Which of the following class we have to add in a code for creating link as navigation item in bootstrap-5?	nav-link	1		nav-item	nav	nav-link	None of these
424	7	introduction	Which of the following is an attribute in bootstrap-5?	data-bs-toggle	1		nav-item	data-bs-toggle	data-ds-toggle	nav
425	7	navbar	Which class will be used to add white text colors to all links in navbar?	navbar-dark	1		navbar-dark	navbar-light	dark-navbar	light-navbar
426	7	navbar	Which class will be used to add black text colors to all links in navbar?	navbar-light	1		navbar-dark	navbar-light	dark-navbar	light-navbar
427	7	form	Which of the following class will be used for get proper form styling for textual <input> and <textarea>	form-control	1		form-style	form-control	form-divider	None of these
428	7	Toggle switch	If you want your checkbox to be styled as a toggle switch, then which class will be used with which container?	form-switch,form-check	1		form-switch,form-check	form-switched,form-checked	Both A and B	None of these
429	7	form	Which of the following class will be used with form to show what is missing before submitting the form?	was-validated	1		needs-validated	was-validated	valid-feedback	None of these
430	7	modal	Which of the following are components of Modal?	All of these	1		modal-hedaer	modal-footer	modal-body	All of these
431	7	carousel	The plugin used to create a cycle through elements as a slideshow is -	carousel	1		slideshow	scrollspy	carousel	None of these
432	7	carousel	Which of the following class is used to create a carousel?	carousel	1		carousel	carousel-indicators	carousel-extern	None of these

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
433	7	scrollspy	Which attribute should be mentioned for the element that should be used as a scrollable area.	data-bs-spy="scroll"	1		data-bs-spy="scroll"	data-bs-spy="dropdown"	data-bs-toggle="scroll"	None of these
434	7	flex	Which of the following valid classes are used to change the alignment of flex items?	All of these	1		justify-content-center	justify-content-between	justify-content-around	All of these
435	7	introduction	How many grid tiers, over which Bootstrap's layout system can adapt, are available in version 5?	6	1		4	5	6	12
436	7	floating label	In Bootstrap 5, floating labels are used with which type of form elements?	<input> and <textarea>	0.5		Only <input type="text">	Only <textarea>	<input> and <textarea>	<select> only
437	7	floating label	Which Bootstrap 5 class is required to create a floating label inside a form control?	.form-floating	0.5		.form-floating	.form-label	.floating-label	.form-control-floating
438	7	floating label	Which of the following input types does NOT support floating labels in Bootstrap 5?	file	0.5		text	password	file	email
439	7	floating label	When using floating labels in Bootstrap 5, what is the correct structure?	<input> <label>... </label>	1		<label>... </label> <input>	<input> <label>... </label>	<label>... </label> <input>	<form-floating> <input> <label>... </label> </form-floating>
440	7	pagination	To align a Bootstrap 5 pagination component to the center horizontally, which correct utility class should be applied?	.justify-content-center on <ul class="pagination">	1		.pagination-center on <ul>	.justify-content-center on <ul class="pagination">	.text-center on <nav>	.align-center on <ul>
441	7	pagination	If you want to highlight the current pagination page in Bootstrap 5, which is the correct method?	Add .active class to <li class="page-item">	1		Add .active class to <a class="page-link">	Add .active class to <li class="page-item">	Add selected attribute to <li>	Add .current class to <a class="page-link">
442	7	sidebar offcanvas component	In Bootstrap 5, which attribute is mandatory on the trigger element to open an offcanvas sidebar?	data-bs-toggle="offcanvas"	1		data-bs-trigger="offcanvas"	data-bs-toggle="offcanvas"	data-bs-open="sidebar"	data-bs-sidebar="true"
443	7	sidebar offcanvas component	Which Bootstrap 5 class is used to make a sidebar offcanvas slide from the right side of the screen?	.offcanvas-end	1		.offcanvas-right	.offcanvas-end	.offcanvas-rightside	.offcanvas-next
444	7	sidebar offcanvas component	In the offcanvas component structure, which of the following is the correct placement of the close button?	Inside with .btn-close and data-bs-dismiss="offcanvas"	1		Inside only	Inside with .btn-close and data-bs-dismiss="offcanvas"	Anywhere inside the offcanvas, no attribute required	Outside the offcanvas component with data-bs-dismiss="offcanvas"
445	7	navbar	_____ is a correct set of classes/attributes to handle collapsing mechanism of navbar with collapsible icon.	navbar-toggler, data-bs-toggle, data-bs-target, navbar-toggler-icon	1	[LJU,2024]	navbar-toggle, data-bs-toggle, data-bs-target, navbar-toggle-icon	nav-toggle, data-bs-toggle, data-bs-target, navbar-toggle-icon	navbar-toggler, data-bs-toggle, data-bs-target, navbar-toggler-icon	navbar-toggler, data-bs-toggler, data-bs-target, navbar-toggler-icon
446	7	Collapsible	Identify the statement to show a collapsible section initially on loading a page.		1	[LJU,2024]				
Descriptive Questions										
447	7	sidebar offcanvas component	write a bootstrap-5 code to create build hidden sidebar into your application.		3					
448	7	floating label	write a bootstrap-5 code to create simple form labels that float over your input fields.		2					
449	7	pagination	Write a bootstrap-5 code to create pagination shown as in image.		3					
450	7	Modal	Write a script to pop up a dialog box on clicking a button. Dialog box must have a title, a message of “Submitted successfully”, X button in header to close dialog and one separate “Close” button in footer to close it.		5					
451	7	navigation	Write a HTML script using bootstrap to render a responsive navigation of links,which shows an additional icon,if width of device goes<992px and navigation items should disappear.		4	[LJU,2023]				
452	7	Carousel	Write HTML script using bootstrap to create an image slide show having arrow button to move on previous and next slides. Also put links to jump on random slides.		4					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
453	7	Form-validation	Design a following form using bootstrap. Once user click on a submit button one dialog box should open with confirmation message like “Do you want to login?” with close button. Dialog box contain header, body & footer part.		5					
454	7	alert	Create an alert using different contextual classes like alert-success,alert-info etc..,		2					
455	7	carousel	Write an HTML code using bootstrap to implement carousel.		5					
456	7	validation	Write an HTML script using bootstrap-5 to validate a form after clicking the submit button.		3					
457	7	navigation	Write an HTML code using bootstrap-5 to create a dark navigation bar with white color navigation link and center aligned.		3					
458	7	navbar	Write an HTML code using bootstrap-5 to create a navbar in which one of the navigation item has dropdown menu		5					
459	7	flex	create horizontal flex box in which item will be displayed in reverese order.		2					
460	7	flex	Create responsive flexbox which wraps the content according to screensize.		1					
461	7	flex	Write a script to design a login form with basic validations. Form has fields for email, password, remember me option, submit & reset buttons. Email and password must not be blank and print valid/invalid message while entering inputs using Bootstrap classes.		3	[LJU,2023]				
462	7	form	Design a form with following fields: Username,password,Address,Gender,Address,toggle switch also validate the form before submitiing the form and each and every field is mandatory.		5					
463	7	scrollspy	Write an HTML Script using bootstrap to automatically update links in a navigation list based on a scroll position.		5					
464	7	navbar	How to make a navbar collapsible, so that it hides itself once width goes less than specified width.		5					
465	7	carousel	Design a web page with Bootstrap to make a set of advertisements moving like a slide show. It must have buttons to jump on next/previous slides and to jump on random slides.		5					
466	7	form-validation	Write an HTML script using bootstrap-5 to validate a form before clicking the submit button.		3					
467	7	navbar	How to set image of brand/logo in navbar? Write script for it.		5					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
468	7	Forms	Describe in detail how you would use Bootstrap 5 ONLY to create this form with a modal that opens upon clicking SEND button. Include the necessary HTML structure and Bootstrap5 classes and attributes only. The form should include the following fields with all necessary BOOTSTRAP 5 CLASSES for form elements: • Name (text input, required) • Email (email input, required) • Message (textarea, required) • Send button • Reset button The form should be validated, ensuring that all fields are filled in correctly before the form can be submitted. When the SEND button is clicked, a modal should appear with a confirmation message. The modal should be designed as below and clicking on x(cross) button the modal should be closed: 		5	[LJU,2024]				

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Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)
Note: This Practice book is only for reference purpose. LJU Test question paper may not be completely set from Practice book.

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-8: Core JavaScript Concepts & Functions										

469	8	Basics of Javascript and EcmaScript(ES6)	Which of the following is the correct output for the following JavaScript code:
			<script>
			var x=3;
			var y=2;
			var z=0;
			if(x==y)
			document.write(x);
			else if(y==z)
			document.write(y);
			else
			document.write(z);
			</script>
				0	0.5		compilation error	runtime error	0	1

470	8	Basics of Javascript and EcmaScript(ES6)	What will be the output of the following code snippet? <script type="text/javascript"> a = 5 + "9"; document.write(a); </script>	59	0.5		compilation error	runtime error	0	59

471	8	Basics of Javascript and EcmaScript(ES6)	Which one of the following is correct output for the following given code:
			const number = undefined + 11;
			if (number === NaN) {
			console.log("NaN");
			} else if (number === 11) {
			console.log("11");
			} else {
			console.log("other");
			}
				other	1		11	NAN	other	error

472	8	Basics of Javascript and EcmaScript(ES6)	what will be the output of following Javascript code?
			<script>
			a="This"+50+80+"Is"+"Demo"+"of"+100;
			document.write(a);
			</script>
				This5080IsDemoof100	1		This50IsDemoof100	This5080Demoof100	This5080IsDemo100	This5080IsDemoof100

473	8	Basics of Javascript and EcmaScript(ES6)	what will be the output of following JS code?
			<script>
			s1=10+20+"javascript"+40+50+"example"+60;
			document.write(s1);
			</script>
				30javascript4050example60	1		1020javascript4050example60	1020javascript90example60	30javascript90example60	30javascript4050example60

474	8	Basics of Javascript and EcmaScript(ES6)	What is the output of the following JavaScript code? console.log(2+2+"2" + 2 + 2)	4222	1		22222	2224	10	4222

475	8	Basics of Javascript and EcmaScript(ES6)	Identify output, if a=20 and b=3 is entered while prompting values.
			a=prompt("Enter first value");
			b=prompt("Enter second value");
			console.log(a%b);
				2	1		null	NaN	2	undefined

476	8	Concept of Var,Let and Const Keywords, Template Literals,	What will be the output of the following code snippet? var a = true + true + true * 3; console.log(a)	5	0.5		3	0	error	5

477	8	Concept of Var,Let and Const Keywords, Template Literals,	Which one of the following is correct output for the following given code:
			<script>
			var a=3;
			var b=a++;
			var c=++a;
			document.write(a,b,c);
			</script>
				535	1		452	453	535	error

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4

478	8	Concept of Var,Let and Const Keywords, Template Literals,	What will be logged?
			console.log(a);
			var a = 5;
			let b = 10;
				undefined	0.5		5	undefined	ReferenceError	10

479	8	Concept of Var,Let and Const Keywords, Template Literals,	Which of the following code snippets will throw a `ReferenceError`?	onsole.log(d); let d = 20;	1		onsole.log(d); let d = 20;	const c = 15; console.log(c);	console.log(b); var b = 10;	var a = 5; console.log(a);
480	8	Concept of Var,Let and Const Keywords, Template Literals,	A developer writes the following code: `let x = 10; { let x = 20; console.log(x); } console.log(x);` What will be the output?	20 then 10	1		10 then 10	20 then 10	10 then 20	20 then 20
481	8	Concept of Var,Let and Const Keywords, Template Literals,	What will console.log print: const obj = { val: 100 }; obj.val = 200; console.log(obj.val);	200	1		100	200	Error	undefined
482	8	Concept of Var,Let and Const Keywords, Template Literals,	What happens: const x = 10; x = 20;	Throws TypeError	1		Logs 20	Logs 10	Throws TypeError	Logs undefined
483	8	Concept of Var,Let and Const Keywords, Template Literals,	A web developer is creating a string to display a dynamic user greeting. They use the following code: const name = 'Alice'; const message = 'Hello, ${name}!'; What will the value of "message" be?	Hello, ${name}!	1		A 'SyntaxError' will be thrown.	Hello, undefined!	Hello, Alice!	Hello, ${name}!
484	8	Concept of Var,Let and Const Keywords, Template Literals,	A developer uses const to declare an array: const myArr = [1, 2, 3];. Which of the following operations is valid?	myArr.push(4);	1		myArr = [4, 5, 6];	myArr.push(4);	myArr = "hello";	const myArr = [1, 2, 3];
485	8	Concept of Var,Let and Const Keywords, Template Literals,	What is the output: let name = "Alice"; let age = 25; console.log(`${name} is ${age + 5} years old`);	Alice is 30 years old	1		Alice is 25 years old	Alice is 30 years old	Alice is age + 5 years old	Alice is undefined years old
486	8	Concept of Var,Let and Const Keywords, Template Literals,	What is the length: let greeting = `Hello\nWorld`; console.log(greeting.length);	11	1		5	10	11	Error
487	8	Concept of Var,Let and Const Keywords, Template Literals,	What will be logged: const price = 50; const message = `The price is ${price > 30 ? "high" : "low"}`; console.log(message);	The price is high	1		The price is high	The price is low	The price is 50	Error
488	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	What will be logged: let arr = [1,2,3]; let res = arr.push(4,5); console.log(res, arr);	5 [1,2,3,4,5]	1	No	[1,2,3,4,5] 5	5 [1,2,3,4,5]	[1,2,3,4,5] undefined	Error
489	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	Which of the following returns true? let arr = [10, 20, 30];	arr.includes(20)	1	No	arr.includes(25)	arr.includes(20,2)	arr.includes("20")	arr.includes(20)

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
490	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	What will console.log print: let nums=[1,2,3]; let out=nums.pop(); console.log(out, nums);	3 [1,2]	1	No	[1,2] 3	3 [1,2]	[1,2,3] 2	Error
491	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	A developer writes: let arr=[2,4,6]; let mapped=arr.map((x,i)=>x+i); console.log(mapped);	[2,5,8]	1	No	[2,4,6]	[2,5,8]	[3,6,9]	[undefined,undefined,undefined]
492	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	What will be the output: let arr=[1,2,3,4]; let f=arr.filter(x=>x%2===0); console.log(f);	[2,4]	1	No	[1,3]	[2,4]	[1,2,3,4]	[]
493	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	What will console.log print: let arr=[1,2,3]; let res=arr.forEach(x=>x*2); console.log(res);	undefined	1	No	[2,4,6]	undefined	[1,2,3]	Error
494	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	Given an array const numbers = [1, 2, 3, 4, 5];, what will numbers.pop() return and what will the array's new state be?	Returns 5, array becomes [1, 2, 3, 4].	1	No	Returns [1, 2, 3, 4], array becomes [1, 2, 3, 4].	Returns 5, array becomes [1, 2, 3, 4].	Returns 1, array becomes [2, 3, 4, 5].	Returns undefined, array becomes [1, 2, 3, 4, 5].
495	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	Given const data = [{id: 1, value: 10}, {id: 2, value: 20}];, which method should a developer use to find the object with id: 2?	data.find(item => item.id === 2)	1	No	data.includes({id: 2, value: 20})	data.filter(item => item.id === 2)	data.find(item => item.id === 2)	data.forEach(item => item.id === 2)
496	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	What does the filter() method return if no elements in the array satisfy the condition provided in the callback function?	An empty array ([])	1	No	undefined	null	An empty array ([])	The original array.

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497	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes() , find()	Given const products = ['apple', 'banana', 'orange']; , what is the outcome of products.includes('Apple')?	false	1	No	TRUE	FALSE	undefined	A TypeError is thrown.
498	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes() , find()	What is the output of the following code snippet? <script> var arr = ['a', 'b', 'c']; for(var i = 0; i < arr.length; i++) { document.write(arr[i]); } </script>	a b c	0.5	[LJU,2023]	a b c	c b a	a c b	b a c

499	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes() , find()	The following web page is loaded into a web server:
			<html>
			<head><title>JavaScript question</title></head>
			<body>
			<script language="JavaScript">
			book = new Array(1,2,3,4,5,6,7,8);
			document.write(book[1]+"
			");
			book[10]=10;
			document.write(book[10]);
			</script>
			</body>
			</html>
			Once the above web page is loaded what will its body contain?
				2
				10
					0.5	[LJU,2023]	2
							10
								1
								10
									110	Only print 10

500	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What happens? for(let i=0;i<2;i++){ for(let j=0;j<2;j++){ if(i===j) continue; console.log(i,j); } }	0 1 and 1 0	1	No	0 0 1 1	0 1 and 1 0	Nothing	Infinite loop
501	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will be output? let obj={a:1,b:2}; for(let k in obj){ console.log(k); }	a b	1	No	1 2	a b	Error	undefined
502	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	let arr=["x","y"]; for(let v of arr){ v+="z"; } console.log(arr);	["x","y"]	1	No	["xz","yz"]	["x","y"]	["z","z"]	Error
503	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	switch("1"){ case 1: console.log("num"); break; case "1": console.log("str"); }	str	1	No	num	str	undefined	Error
504	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Consider a while loop with a condition that always evaluates to true. What is the most likely outcome of running this code?	An infinite loop will occur, potentially crashing the program.	0.5	No	A SyntaxError will be thrown.	An infinite loop will occur, potentially crashing the program.	The loop will execute once and then stop.	The code inside the loop will be ignored.
505	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	A developer uses a for...of loop to iterate over a string const str = "hello";. What will the loop's output be?	The loop will iterate over the characters 'h', 'e', 'l', 'l' and 'o'	1	No	The loop will iterate over the indices 0, 1, 2, etc.	The loop will throw a TypeError.	The loop will iterate over the characters 'h', 'e', 'l', 'l' and 'o'	The loop will treat the string as a single value.

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506	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Choose the correct snippet from the following to check if the variable "a" is not equal the "NULL":	if(a!==null)	1		if(a!==null)	if (a!)	if(a!null)	none of above

507	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	See the given code of JavaScript and choose the correct output from the following:
			
			function comparing()
			{
			x=9;
			y=9;
			if(x==y)
			return true;
			else
			return false;
			}
			console.log(comparing());
				TRUE	1		compilation error	FALSE	runtime error	TRUE

508	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will be the output of the following JavaScript code?
			
			function comparison()
			{
			number=10;
			if(number=="10")
			return true;
			else
			return false;
			}
			console.log(comparison());
				TRUE	1		TRUE	FALSE	runtime error	compilation error

509	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will happen, if the following JavaScript code is executed?
			
			var count =0;
			while (count <10)
			{
			  console.log(count);
			  count++;
			}
				The value of count from 0 to 9 is displayed in the console	1		An error is displayed	An exception is thrown	The values of count variable are logged or stored in a particular location or storage	The value of count from 0 to 9 is displayed in the console

510	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will be the output of the following code snippet? <script> for(var i = 10; i > 0; i--) { document.write(i+" "); } </script>	10 9 8 7 6 5 4 3 2 1	1	[LJU,2023]	0 1 2 3 4 5 6 7 8 9 10	10 9 8 7 6 5 4 3 2 1	1 2 3 4 5 6 7 8 9 10	0
511	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will be the output of the following code snippet? <script> var i = 1; while (i <= 5) { document.write(i * 2+" "); i += 2; } </script>	2, 6, 10	1	[LJU,2023]	2, 4, 6, 8, 10	1, 3, 5, 7, 9	2, 6, 10	1, 2, 3, 4, 5

512	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	What will be the output of the following code?
			function fun(le)
			{
			  a=2;
			  for(i=0;i<le;i++)
			  {
			  document.write(a);
			  }
			}
			fun(3);
				222	0.5		2	3	22	222

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
513	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	What will be logged? console.log(foo()); function foo(){ return "hi"; }	hi	1	No	Error	undefined	hi	Nothing
514	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	function add(x,y){ return arguments.length; } console.log(add(5));	1	1	No	2	undefined	1	Error
515	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	const obj={ val:42, method:()=>{ return this.val; } }; console.log(obj.method());	undefined	1	No	42	undefined	Error	null
516	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	const obj={ val:42, method:function(){ return this.val; } }; console.log(obj.method());	42	1	No	42	undefined	null	Error
517	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	What happens? function f(x=10,y=x+5){ return y; } console.log(f());	15	1	No	10	15	undefined	Error

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
518	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	What is the value of result after this code runs? var a = 10; (function() { var a = 20; })(); var result = a;	10	1	No	20	undefined	null	10
519	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Given the code: function outer() { let x = 10; function inner() { return x; } return inner(); }. What is the value returned by outer() and why?	10, due to closure.	1	No	undefined, because x is out of scope for inner.	10, due to closure.	null, as the function is self-contained.	A ReferenceError is thrown.
520	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	A developer needs to create a function that has an optional parameter with a default value of 10. Which of the following is the most modern and clean syntax to achieve this?	function calculate(x, y = 10) { ... }	1	No	function calculate(x, y = 10) { ... }	function calculate(x, y) { if (y === undefined) { y = 10; } ... }	function calculate(x, y = 10) { ... }	function calculate(x, y) { y = y === undefined ? 10 : y; ... }

521	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	What will be the output of the following code?
			(function(a)
			{
			return (function( )
			{
			document.write(a);
			a=5;
			}) ( )
			})(10);
				10	1		5	10	15	NaN

522	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	What is a key difference in the behavior of the this keyword between a regular function and an arrow function?	In a regular function, this is dynamically scoped, while in an arrow function, this is lexically scoped.	1	No	In a regular function, this is dynamically scoped, while in an arrow function, this is lexically scoped.	In a regular function, this is always the window object, while in an arrow function, it refers to the parent object.	In a regular function, this refers to the global object, while in an arrow function, it refers to the object it is attached to.	In a regular function, this is always undefined, while in an arrow function, it refers to the global object.
523	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	What happens when calling: function demo(a,b=5){ return a+b; } console.log(demo(3,undefined));	8	1	No	3	8	NaN	Error
524	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	A developer writes: function f(a,...rest){ return rest.length; } console.log(f(1,2,3,4)); What is the output?	3	1	No	4	3	1	Error

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
525	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	Given the function function sum(x, y = 10, ...rest) { return x + y + rest.length; }, what is the result of sum(5)?	15	1	No	15	16	5	undefined
526	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	In the function function myFunc(first, ...others) { console.log(first, others); }, what is the value of others when myFunc(10, 20, 30, 40) is called?	[20, 30, 40]	1	No	[10, 20, 30, 40]	[20, 30, 40]	10	A TypeError is thrown.
527	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	Which of the following is an invalid use of the spread operator?	Using the spread operator to convert an object into an array directly, e.g., [...obj].	1	No	Spreading a string into an array of its characters, e.g., [...'hello'].	Spreading an object into another object, e.g., {...obj1, ...obj2}.	Spreading an array inside a function call, e.g., Math.max(...arr).	Using the spread operator to convert an object into an array directly, e.g., [...obj].
528	8	Pop up Boxes: Alert, Confirm, Prompt	Which of the following statements about prompt, alert, and confirm is correct?	All three are synchronous and block code execution until the user responds.	1	No	Only alert is synchronous, others are asynchronous.	All three are asynchronous.	Only confirm is synchronous, others are asynchronous.	All three are synchronous and block code execution until the user responds.
529	8	Pop up Boxes: Alert, Confirm, Prompt	What is the value of result after a user clicks "Cancel" on a JavaScript prompt box?	null	0.5	No	false	An empty string ("")	undefined	null
530	8	Pop up Boxes: Alert, Confirm, Prompt	A developer wants to ask a user a yes/no question that determines the flow of the program. Which pop-up box is the most appropriate for this task and why?	confirm because it returns a boolean (true or false) based on the user's choice.	0.5	No	alert because it returns a boolean.	confirm because it returns a boolean (true or false) based on the user's choice.	prompt because it allows for custom text input.	alert because it returns a boolean.
531	8	Pop up Boxes: Alert, Confirm, Prompt	Consider the following code: alert('Step 1'); console.log('Step 2');. What is the order of execution?	The alert pop-up will appear, and Step 2 will only be logged after the user closes the alert box.	1	No	'Step 2' will be logged immediately, then 'Step 1' will be alerted.	The alert pop-up will appear, and Step 2 will only be logged after the user closes the alert box.	The alert and console.log will execute simultaneously.	A TypeError will be thrown because alert blocks execution.
532	8	Pop up Boxes: Alert, Confirm, Prompt	What is a key difference in the return value of a confirm box and an alert box?	A confirm box returns true or false, while an alert box returns undefined.	0.5	No	A confirm box returns a string, while an alert box returns a boolean.	A confirm box returns true or false, while an alert box returns undefined.	Both return the same value depending on the user's action.	A confirm box returns true or false, while an alert box returns null.
533	8	Pop up Boxes: Alert, Confirm, Prompt	A programmer needs to get the user's name and store it in a variable. Which pop-up box is the correct choice, and what is its behavior if the user types their name and clicks "OK"?	prompt is the correct choice, and it will return the user's input as a string.	0.5	No	confirm is the correct choice, and it will return a boolean true.	alert is the correct choice, and it will return the user's input.	prompt is the correct choice, and it will return the user's input as a string.	prompt is the correct choice, and it will return an empty string ("").

534	8	Pop up Boxes: Alert, Confirm, Prompt	What will be the output of following code of JS,if cancel button is pressed after entering some integer value?
			<script type="text/javascript">
			ret=prompt("enter your input");
			document.write(ret);
			</script>
				null	0.5		NaN	Entered integer	null	0

535	8	Pop up Boxes: Alert, Confirm, Prompt	What does the prompt() method return?	The user's input as a string	0.5		The user's input as a number	The user's input as a string	The user's input as a double	The user's input as an int

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
536	8	Basics of Javascript and EcmaScript(ES6), Concept of Var,Let and Const Keywords, Loops: for, while, do…while, for...of, for...in, Spread & Rest Operators	What will be the output of the following ES6 code on console? <script> const calculate = () => { let numbers1 = [10, 10, 20, 30, 40]; let numbers2 = [50, 60]; let combinedNumbers = [...numbers1, 30, ...numbers2]; let total = 0, total1 = 0; for (let index of numbers1) { total += index; } for (let index of combinedNumbers) { total1 += index; } console.log(${total1-total}); }; calculate(); </script>	140	1	[LJU,2024]	140	250	110	30
537	8	Basics of Javascript and EcmaScript(ES6), Array and objects	What will be the output of the following ES6 code on console? <script> numbers = ['1', '2', '3']; for (const [x, y] of numbers.entries()) { result = x+y; } console.log(${result}); </script>	23	1	[LJU,2024]	3	6	9	23
538	8	Basics of Javascript and EcmaScript(ES6), Spread & Rest Operators	What will be the output of the following ES6 code on console? <script> script2=(a,...values)=> { return values.length; } console.log(Total = ${script2(1, 2, 3, 4, 5, 6, 7)}); </script>	Total = 6	1	[LJU,2024]	Total = 1, 6	Total = 6	Total = 27	Total = NaN
Descriptive Question										
539	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Create a function that takes an array of objects (groceries) which calculates the total price and returns it as a number. A grocery object has a product, a quantity and a price.		5					
540	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Write java script program to check occurrence of a given character in to string entered by user. (For ex., If you check the number of occurrences of 'o' in the string 'school', the result is 2.)		4					
541	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Write java script function to find factorial of number entered by user.		4					
542	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write a javascript to accept a number to check whether it is greater than 100 or not?		3	Aug 2021				
543	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	Write a JAVAScript to take 2 digit number and then separate these 2 digits, then multiply first digit by itself for second digit times.(for example, 23 should be separated as 2 and 3. 2 should multiply with itself 3 times**).**		3	May-2012				

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
544	8	Basics of Javascript and EcmaScript(ES6)	State true or false and justify your answer : “Java Script is untyped language.		3	Dec-2019				
545	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write a JAVAScript to print characters of a string at odd positions.(for example for the string India, I, d and a should get printed).		4	May -2012				
546	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write Java Script for find first 10 prime numbers		7,4	Nov 2018 ,Jan 2021				
547	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	Write a program using Java Script, which sorts elements of an array in descending order.		7	Nov -2011				
548	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write a JavaScript program to print first N odd numbers divisible by 7		7	May -2011 ,May-2017				
549	8	Pop up Boxes: Alert, Confirm, Prompt	Write a function that takes 3 parameters, price, tax rate, balance, and prints yes in an alert box if someone has adequate balance to purchase an item at the specified price with the given tax rate. Otherwise, print out no in an alert box		3	Jan 2021				
550	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write an HTML and JavaScript program which accepts N as input and print first N odd numbers		4	Oct-2020				
551	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write a JavaScript to check input string is palindrome or not.		7	Jan 2021				
552	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write JavaScript code to print following pattern. 1 0 1 1 0 1 0 1 0 1 1 0 1 0 1		7	Oct-2020				
553	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Write java script function to find maximum value among three different value entered by user		4	Jan-2022				
554	8	Loops: for, while, do…while, for...of, for...in, Condition : if...else, switch	Write aJavaScript program which accepts N as input and print N Fibonacci numbers as list.		7	May 2018				

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
555	8	Functions: declarations, expressions, parameters, return values, Difference between function and arrow function (ES6),	Write a JS to print all number from 1-100 by adhering following condition: print only those number whose reverse of square and square of reverse are same. For ex. **Square(12)=144, Reverse(144)=441** and **Reverse(12)=21,Square(21)=441.** so, final results of both the cases are same.Print all numbers following these cases between 1-100.		5					
556	8	Pop up Boxes: Alert, Confirm, Prompt	write a JS to find that given no. is lucky number or not. i.e. Given no is lucky if sum of all its digit is equal to 1. for ex. 7777 = 7+7+7+7 = 28 => 2+8=10 => 1+0=1		5					
557	8	Basics of Javascript and EcmaScript(ES6)	Write a JS to check that given no. is perfect no. or not. For ex. 6 is a perfect no., bcoz the factors of 6 are 1,2,3 & 6. So addition of all factors excluding no. itself is 6. So it is a perfect no. Likewise 28 is also a perfect no.		5					
558	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	You are given an array of objects representing products. Each object has name, price, and category properties. const products = [{ name: 'Laptop', price: 1200, category: 'Electronics' }, { name: 'T-shirt', price: 25, category: 'Apparel' }, { name: 'Keyboard', price: 75, category: 'Electronics' }, { name: 'Jeans', price: 60, category: 'Apparel' }]; Write a code to return an array of just the names of the products that are in the 'Electronics' category and have a price less than $1000.		3					
559	8	Default Parameters: Default Parameter Values, Function Rest Parameter, Spread & Rest Operators	Write a single function calculateDiscount that meets the following requirements: It takes a basePrice as its first parameter. It accepts an optional discount percentage as a second parameter, which should default to 10. It uses a Rest Parameter to accept any number of additional prices to be included in the calculation. The function should return the sum of all prices passed to it (including the basePrice and additional prices), after applying the discount to the total.		3					
560	8	Template Literals and Conditional:if...else	You have a user object with a name and an age property. Write a single template literal that generates a message. The message should display the user's name and their age. However, if the user's age is less than 18, the message should also include the phrase " (Minor)". For example, John is 25. and Jane is 16 (Minor).		3					
561	8	Loops: for, while, do…while, for...of, for...in	You are given an array of strings and an object with key-value pairs. const colors = ['red', 'green', 'blue']; const car = { make: 'Toyota', model: 'Camry', year: 2022 }; Write two loops. The first loop should iterate over the colors array and print each value. The second loop should iterate over the car object and print each key-value pair in the format "key: value".		3					
562	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes(), find()	You are given a dataset of student test scores. const students = [{ name: 'Alice', scores: { math: 85, science: 90, history: 78 } }, { name: 'Bob', scores: { math: 92, science: 88, history: 95 } }, { name: 'Charlie', scores: { math: 70, science: 75, history: 80 } }, { name: 'Diana', scores: { math: 95, science: 98, history: 93 } }]; Write code to perform the following tasks: 1. Find the student with the highest average score across all subjects. 2. Return a new object containing only that student's name and their average score, formatted to two decimal places. You must calculate the average score for each student to find the highest, and your final result should be a single object.		3					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
563	8	Looping, Functions, and Pop-up Boxes	Write a function gradeStudents that takes an array of student objects (each with a name and FSD marks property). The function should: 1. Iterate through the student array. 2. For each student, it should use the prompt() pop-up box to ask the user to enter FSD marks. The prompt message should clearly state the student's name (e.g., "Enter FSD marks for Alice:"). 3. It should validate the user input. If the input is not a valid number (use isNaN()), display an alert() message "Invalid grade. Please enter a number." and continue to the next student without updating the current one. 4. If the input is valid, update the student's FSD marks property with the new value. 5.Finally, after the loop finishes, it should use alert() to display a summary of the FSD marks for all students in a clear, multi-line format using template literals.		5					
564	8	Looping, Functions, and Pop-up Boxes	Create a function registerUser() that uses pop-up boxes to gather and validate user input for a new user registration. The function should: 1. Use a while loop to repeatedly prompt the user for a username using the prompt() pop-up box. The loop should continue to run as long as the user's input is an empty string, null, or undefined. 2. Once a valid username is provided, use another while loop to prompt the user for a password. This loop should continue until the user provides a password that is at least 8 characters long. 3. After a valid password is entered, use the confirm() pop-up box to ask the user, "Are you sure you want to register with this username and password?". 4. If the user clicks "Cancel" on the confirmation box, use alert() to display a message "Registration canceled." and end the function. 5. If the user clicks "OK", use a template literal to display a final alert() message confirming the successful registration, showing both the username and the password.		5					
565	8	Datatype and Variables, Array and objects, Array methods :push(), pop(), map(), filter(), forEach(),includes() , find()	You have a dataset of transactions. Each transaction object has a category, amount, and date. Your task is to process this data and summarize the total amount for each unique category, using only the transactions from a specific month. const transactions = [{ category: 'Groceries', amount: 50, date: '2023-11-05' }, { category: 'Bills', amount: 200, date: '2023-10-28' }, { category: 'Groceries', amount: 75, date: '2023-11-12' }, { category: 'Entertainment', amount: 40, date: '2023-11-20' }, { category: 'Bills', amount: 150, date: '2023-11-15' }]; Write a function summarizeMonthlyTransactions(data, month) that: 1. Creates a new array containing only the transactions from the specified month (e.g., '11' for November). 2. Iterates over the array to calculate the total amount for each category. You must store these totals in a new object where the keys are the category names and the values are the total amounts. 3. Returns the final summary object. The expected output for the data above with the month '11' is { Groceries: 125, Entertainment: 40, Bills: 150 }		5					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
566	8	Condition : if...else, Pop up Boxes: Alert, Confirm, Prompt	Write a JavaScript program that first uses the alert box to display a welcome message to the user (Example: Welcome User). Then, use the confirm box to ask the user if they want to continue. 1. If the user clicks "OK", proceed to ask for their name using the prompt box and display a personalized greeting (Example: If user enters “Jack”, then display “Hello Jack”). After displaying the greeting using alert box, prompt the user to enter their age. Based on the user's age, use a conditional statement to check if they are 18 or older. If the user is 18 or older, display an alert saying "You are an adult!". If the user is under 18, display an alert saying "You are a minor!". 2. If the user clicks "Cancel" in the confirm box at the beginning, display an alert saying "Goodbye".		5	[LJU,2024]				

L.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)
Note: This Practice book is only for reference purpose. LJU Test question paper may not be completely set from Practice book.

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-9:JavaScript DOM Manipulation & Events										
567	9	DOM: textContent	Hidden console.log(document.querySelector("div").textContent); What is output?	Hidden	1		(empty string)	Hidden	undefined	Throws Error
568	9	DOM: querySelectorAll	const els=document.querySelectorAll(".test"); els.forEach(e=>e.remove()); console.log(document.querySelectorAll(".test").length); What is output?	0	1		undefined	0	Throws Error	Old count remains
569	9	DOM: getElementsByClass Name	let nodes=document.getElementsByClassName("a"); document.body.innerHTML=" "; console.log(nodes.length); What is output?	1	1		0	1	undefined	Throws
570	9	DOM: querySelector	const el=document.querySelector("#x"); console.log(el && el.nodeType); What is output?	1 if element exists, else null short-circuits.	1		0	undefined	1 if element exists, else null short-circuits.	Throws
571	9	DOM: getElementById	Hi <script>console.log(document.getElementById("a").innerHTML);</script> What is output?	Hi	1		Hi	undefined	""	null
572	9	DOM: getElementById	Hi <script>console.log(document.getElementById("b"));</script> What is output?	null	1		null	undefined	Error	""
573	9	DOM: getElementsByClass Name	<script>console.log(document.getElementsByClassName("x").length);</script> What is output?	2	1		2	0	undefined	null
574	9	DOM: getElementsByClass Name	<script>console.log(document.getElementsByClassName("y").length);</script> What is output?	0	1		0	undefined	null	Error
575	9	DOM: querySelector	<script>console.log(document.querySelector("#a").nodeName);</script> What is output?	DIV	1		DIV	A	HTML	undefined
576	9	DOM: querySelectorAll	<script>console.log(document.querySelectorAll("div").length);</script> What is output?	2	1		2	1	0	undefined
577	9	DOM: querySelectorAll	<script>console.log(document.querySelectorAll("span").length);</script> What is output?	0	1		0	1	undefined	null
578	9	DOM: innerHTML	HelloJS <script>console.log(document.getElementById("d").innerHTML);</script> What is output?	HelloJS	1		HelloJS	Hello JS	Hello	undefined
579	9	DOM: innerText	HelloJS <script>console.log(document.getElementById("d").innerText);</script> What is output?	HelloJS	1		HelloJS	Hello JS	Hello	JS

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
580	9	DOM: innerText	Hidden <script>console.log(document.getElementById("d").innerText);</script> What is output?	""	1		""	Hidden	undefined	null
581	9	DOM: setAttribute	<script document.getElementById("d").setAttribute("title","demo");console.log(document.getElementById("d").title);</script> What is output?	demo	1		demo	""	null	undefined
582	9	DOM: getAttribute	<script>console.log(document.getElementById("d").getAttribute("data-x"));</script> What is output?	5	1		5	undefined	null	""
583	9	DOM: removeAttribute	<input id="c" type="checkbox" checked><script>document.getElementById("c").removeAttribute("checked");console.log(document.getElementById("c").checked);</script> What is output?	false	1		false	true	undefined	null
584	9	DOM: style manipulation	<script>console.log(document.getElementById("d").style.color);</script> What is output?	red	1		red	""	null	undefined
585	9	DOM: document object	<script>console.log(document.body.nodeName);</script> What is logged?	BODY	1		BODY	HTML	Document	undefined

586	9	DOM: getElementById	**Identify error/output on button click.**
			<script>
			function showcommentform()
			{
			var data="new data";
			document.getElementById('mylocation').innerHTML=data;
			}
			</script>
			<form name="myForm">
			<input type="button" value="comment" onclick="showcommentform()">
			
			</form>
				new data	1		data	mylocation	comment	new data

587	9	DOM: getElementById	Which one of the following is correct output for the following given JavaScript code: <body> <script type="text/javascript"> var txt1 = "Fullstackdevelopment_"; var txt2 = "Javascriptmcq"; document.getElementById("demo").innerHTML = txt1 + txt2; </script></body>	Fullstackdevelopment_Javascriptmcq	0.5		Javascriptmcq	Fullstackdevelopment_	Fullstackdevelopment_Javascriptmcq	error

588	9	DOM: getElementById	What will be the output of the following JavaScript code?
			<body><script>
			function getmethod()
			{
			num=document.getElementById("p1").value;
			alert(Math.pow((num*num*num),2));}
			</script>
			<form>
			Enter No:<input type="text" id="p1" value="2" name="number"/>
			
			<input type="button" value="Click" onclick="getmethod()"/>
			</form></body>
				64	1		8	48	2	64

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4

589	9	DOM: innerHTML and style manipulation	Consider one <table> object named “t1” in DOM and following function: check() function is called on a button click. What happens after button click?
			function check()
			{
			t1.innerHTML="Thanks";
			t1.bgColor="red";
			t1.style.border="20px solid blue";
			}
				All previous cells disappear and only one cell remains having text “Thanks”, border turns blue and background also turns to red	1		All cells of table will be as it is, border turns blue and background turns red	All previous cells disappear and only one cell remains having text “Thanks” and no change in border or background	All previous cells disappear and only one cell remains having text “Thanks” and only border turns blue	All previous cells disappear and only one cell remains having text “Thanks”, border turns blue and background also turns to red

590	9	DOM: style manipulation	Choose the correct JavaScript syntax to change the background-color & font-style of the following HTML code. Full Stack Development	document.getElementById("fsd").style.backgroundColor="red"; document.getElementById("fsd").style.fontStyle="italic";	1		document.getElementById("fsd").style.backgroundcolor="red"; document.getElementById("fsd").style.fontStyle="italic";	document.getElementById("fsd").style.backgroundcolor="red"; document.getElementById("fsd").style.style="italic";	document.getElementById("fsd").style.backgroundColor="red"; document.getElementById("fsd").style.style="italic";	document.getElementById("fsd").style.backgroundColor="red"; document.getElementById("fsd").style.fontStyle="italic";
591	9	DOM: getElementById	Which of the following options correctly demonstrates using getElementById to change the text of an HTML element with the ID "myElement" to "Hello World!"?	document.getElementById("myElement").innerHTML = "Hello World!";	1	[LJU,2023]	getElementById("myElement").innerHTML = "Hello World!";	getElementByID("myElement").textContent = "Hello World!";	getElementById("myElement").innerText = "Hello World!";	document.getElementById("myElement").innerHTML = "Hello World!";
592	9	DOM: innerHTML	If para1 is the DOM object for a paragraph, what is the correct syntax to change the text within the paragraph?	para1.innerHTML="New Text";	1		"New Text"?	para1.innerHTML="New Text";	para1.firstChild.nodeValue = "New Text";	para1.nodeValue="New Text";

593	9	DOM: getElementById	What will be the output of the following JavaScript code?
			function getcube()
			{
			var number=document.getElementById("number").value;
			alert(number*number*number);
			}
			<form>
			Enter No:<input type="text" id="number" value="3" name="number"/>
			
			<input type="button" value="ok" onclick="getcube()"/>
			</form>
				27	2		9	27	Error	Undefined

594	9	DOM: getElementById and getElementsByClassName	Which of the following method(s) is/are used to access HTML elements using Javascript?	Both A and B	1		getElementById()	getElementsByClassName()	Both A and B	None of the above
595	9	Event	Which event triggers when a button is clicked?	click	1		input	click	submit	change
596	9	Event	Predict the output when typing "JS" in the following code:	Console shows "Typed: J" and then "Typed: JS"	1		Console shows nothing	Console shows only "Typed: JS" after pressing Enter	Console shows "Typed: J" and then "Typed: JS"	Console shows "Typed: S" only
597	9	Event	Which method attaches an event listener?	addEventListener()	1		onClick()	addEventListener()	attach()	listenEvent()
598	9	Event	What does event.target refer to?	The element triggering event	1		The event type	The element triggering event	The parent element	The window
599	9	Event	Which event occurs when a form is submitted?	submit	1		click	submit	input	keydown
600	9	Event	Which event is triggered when a key is pressed down?	keydown	1		keydown	keypress	input	enter
601	9	Event	Which event object property gives event type?	event.type	1		event.type	event.target	event.key	eventName
602	9	Event	Which property returns the key pressed?	event.key	1		event.char	event.key	event.type	event.code
603	9	Event	What does event.preventDefault() do?	Prevents default browser action	1		Stops script	Prevents default browser action	Removes event handler	Stops page
604	9	Event	Which of the following is best suited for real-time search suggestions?	oninput	1		onchange	oninput	onsubmit	onclick
605	9	Event	Identify output: <button id='btn'>Click</button><script>btn.addEventListener('click',()=>console.log('Hi'));</script>	Prints 'Hi' on click	1		Prints 'btn'	Error	Prints 'Hi' on click	Nothing
606	9	Event	Identify output: <input id='box' /><script>box.addEventListener('input',e=>console.log(e.target.value));</script>	Logs typed value	1		Nothing	Logs typed value	Logs 'input'	Error

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
607	9	Event	What will be displayed after typing "World" with the following onchange event? <input type="text" id="txt" onchange="document.getElementById('msg').innerText=this.value"> 	Shows "World" only after focus is lost	1		Shows "World" while typing	Shows "World" only after pressing Enter	Shows "World" only after focus is lost	Nothing happens
608	9	Event-mouse	Which mouse event fires when hovering?	mousehover	1		mousedown	click	mousehover	mouseclick
609	9	Event	Which event cancels form submission?	event.preventDefault()	1		return false	event.preventDefault()	stopPropagation()	cancelEvent()
610	9	Event-aaEventListener	Identify output: document.addEventListener('keydown', e => console.log(e.key)); Key pressed = 'A'	a or A depending on key	1		Nothing	keydown	a or A depending on key	Error
611	9	Event	Which event fires immediately as the value of an <input> element changes (character by character)?	oninput	1		onchange	onkeyup	onkeypress	oninput
612	9	Event	Match the event with its correct behavior: 1. oninput 2. onchange 3. onkeyup 4. onsubmit a) Fires only after the element loses focus b) Fires while typing immediately c) Fires when form is submitted d) Fires when key is released	1 → b, 2 → a, 3 → d, 4 → c	1		1 → a, 2 → b, 3 → d, 4 → c	1 → b, 2 → a, 3 → d, 4 → c	1 → b, 2 → a, 3 → c, 4 → d	1 → a, 2 → b, 3 → c, 4 → d
613	9	Event	If the lowercase "a" is pressed using keyboard, the alert will display …… <html> <head> <script type="text/javascript"> function skill(e){ if (e.keyCode == 'a') {alert("Character pressed");} else {alert("Executed");} } </script> </head> <body onkeypress="skill(event)"> </body> </html>	Executed	1	[LJU,2024]	Character pressed	Executed	Invalid key	Will not give alert

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
614	9	Event	Which method removes an event listener?	removeEventListener()	1		removeEvent()	off()	removeEventListener()	detachEvent()
Descriptive Questions										
615	9	DOM: getElementById, innerHTML and style manipulation	Given the following HTML snippet: <h1 id="main-title">Hello DOM!</h1 Write a JavaScript function that performs the following tasks: 1. Selects the h1 element 2. Changes its text content to "DOM Manipulation is Fun!" using innerText. 3. Changes its text color to green using the style property.		3					
616	9	DOM: getElementsByClass Name, innerHTML and setAttribute	Given the following HTML: Item 1 Item 2 Item 3 Write a JavaScript function that: 1. Selects all elements with the class "description" 2. For each element, changes to "**Updated!**" inside strong tag. 3. Also, adds a title attribute to each element with the value "This item has been updated."		3					
617	9	DOM: getElementById, getAttribute and setAttribute	Given an img tag with a default source: <img src="path/to/default-image.jpg" id="product-image"> Write a JavaScript function that: 1. Selects the image element. 2. Gets its current src value and logs it to the console. 3. Changes the image's source to path/to/new-image.jpg.		5					
618	9	DOM: querySelectorAll and innerHtml	Given a list of 5 and also 5 elements, write code to: (a) select all p tags (b) append '(Updated)' to each element (c) print the count of updated elements in console.		3					
619	9	DOM: Events & style manipulation	Given the following HTML: <button id="theme-toggle">Enable Dark Mode</button> <h1>My Awesome Page</h1> This is some content to demonstrate the toggle. And the following CSS classes: .light-mode { background-color: white; color: black; } .dark-mode { background-color: #333; color: white; } Write a JavaScript function that: 1. Selects the button element and the div element. 2. Adds a click event listener to the button. 3. Inside the event handler, toggles the dark-mode and light-mode classes on the div element. 4. Updates the button's innerText based on the current theme. If the page is in dark mode, the button should read "Enable Light Mode", and vice versa.		5					
620	9	DOM: getElementsByClass Name & innerHTML	Given three empty div elements with the class image-container, Write a JavaScript function that selects all these divs using and then loops through them. For each div a different image must be inserted with height and width 200px		3					
621	9	DOM: getElementsByClass Name & innerText	Given multiple paragraphs with the same class: A brief introduction. The main body. A concluding summary. Write a JavaScript function to select all paragraphs. Loop through this collection and prepend a number to the text of each paragraph, so they read "1. A brief introduction.", "2. The main body.", and so on.		3					

Sr. No.	chapter_ number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
622	9	DOM: getElementsByClass Name, style manipulation & innerText	Given a list of prices in an array: const prices = [150, 80, 220, 95]; And a list of HTML elements with a shared class: 150 80 220 95 Write a JavaScript function that: 1. Selects all elements with the class price-tag. 2. Loops through the elements and checks their innerText. 3. If the price is less than 100, change the text color to green. 4. If the price is 100 or more, change the text color to red.		5					
623	9	Event-mouse	Write JavaScript that handles following mouse event. 1. If mouse left button pressed on browser it displayed message “Left Clicked”. 2. If mouse right button pressed on browser it displayed message “Right Clicked”.		3					
624	9	Event-mouse	Write a JavaScript to handle the following mouse events: i. When a heading is clicked, change its content to "Hello World" with italic style and 50px font size. ii. When the button named "Red" is clicked, the heading color changes to red. When the button named "Blue" is clicked, the heading color changes to blue.		4					
625	9	Event-Mouse	Write a JavaScript that handles the following mouse events. Add necessary elements: i. If the mouse hovers over a heading, change its text and color to red. When the mouse leaves, restore the original text and black color. ii. If a mouse button is pressed, set background color to black. When the button is released, change background to cyan.		4					
626	9	Event-Mouse	Create a with an initial value of 0 displayed inside it. When the mouse enters the , its background color should change to yellow. When the mouse leaves, it should turn back to white. A button should be provided; each time the button is clicked, the number inside the should increase by 1.		5					
627	9	Event-Key	Write JavaScript to: Show an alert "You pressed Enter!" when the user presses Enter inside a text box. Log any key the user presses (event.key) in the browser console.		3					
628	9	Event	Create a form with two fields: username and email, along with a submit button. 1.When the form is submitted, prevent the default form submission and display an alert box with the message "Form submitted". 2. When the user makes changes to any field and then leaves it (loses focus), the background color of that field should change to yellow. 3. While user clicks on inputfield change background color to pink (only for username field). 4. While the user is typing in a field, the input text should appear in red color. 5. Implement this using only event attributes (oninput, onchange, onsubmit) in HTML, without using addEventListener.		5					
629	9	Event	Create a form with two fields (username and email) and a submit button. Implement the following: 1. While typing in a field, the text should appear in red (oninput). 2. When the user leaves a field after making changes, its background should change to yellow (onchange). 3. When the user hovers (onmouseover) over the form, the border should turn green. 4. When the mouse leaves the form (onmouseout), the border should return to black. 5. Add a separate button that toggles the form’s background color between white and lightblue (onclick). 6. When the form is submitted, prevent default submission and display an alert saying "Form submitted successfully!" (onsubmit).		5					

L.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
Full Stack Development with Javascript-1 (FSD-1) Practice Book (SEM-III-2025)
Note: This Practice book is only for reference purpose. LJU Test question paper may not be completely set from Practice book.

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
Chapter-10: Modern JavaScript: Async, Fetch, and Forms										
630	10	Form validation	Which regex matches digits only?	/^\d+$/	1		/[a-z]/	/^\w+$/	/[0-9a-z]/	/^\d+$/
631	10	Form validation	Which of the following string will be accepted by regex? pat=/^[A-Z]\w*$/;	Hello	1		hello	Hello	123Hello	_Hello
632	10	Form validation	Which regex matches a 3-digit number only?	/^\d{3}$/	1		/^\d{3}$/	/^\d+$/	/^[0-9]{1,3}$/	/^\w{3}$/
633	10	Form validation	What will be the output? console.log(/^\d+$/.test("45a"));	FALSE	1		TRUE	FALSE	error	undefined
634	10	Form validation	Which of the following string cannot be accepted from given regular expression? pat=/^\w*\d+$/;	-9	1		_9	100	-9	A_9
635	10	Form validation	Which regex matches valid email?	/^\S+@\S+\.\S+$/	1		/^[0-9]$/	/^\w+$/	/^@\w+$/	/^\S+@\S+\.\S+$/
636	10	Storage-local	localStorage persists for?	Forever until cleared	1		Forever until cleared	Until reload	Page only	Forever until cleared
637	10	Storage-session	sessionStorage persists for?	Until browser/tab is closed	1		Session/tab only	Reload only	Day	Session/tab only
638	10	Storage-local	Which method saves data in localStorage?	setItem()	1		setItem()	saveData()	put()	setItem()
639	10	Storage	Which retrieves data from storage?	getItem()	1		load()	fetchItem()	getData()	getItem()
640	10	Storage-local	Output? localStorage.setItem('u','Sam'); console.log(localStorage.getItem('u'));	Sam	1		undefined	Sam	Error	Sam
641	10	Storage	Which method removes single item?	removeItem()	1		clearItem()	removeItem()	delete()	removeItem()
642	10	Storage	Which clears all storage?	clear()	1		cleared()	deleteAll()	reset()	clear()
643	10	Storage-local	Can localStorage store objects directly?	No, only strings	1		No, only strings	Yes with JSON.parse	No with arrays	strings and array
644	10	Form validation	Which regex matches alphabets only?	/^[A-Za-z]+$/	1		/[0-9]/	/^\w+$/	/\d/	/^[A-Za-z]+$/
645	10	Storage-session	Output? sessionStorage.setItem('x',10); alert(sessionStorage.getItem('x'))	10	1		undefined	10 10	Error	10
646	10	Form validation	Regex /^\d{10}$/ is used to validate?	Mobile number (10 digits)	1		Mobile number (10 digits)	Password	Age (10 digits)	Mobile number (9 digits)
647	10	Asynchronous JavaScript	A Promise represents?	Future value/result	1		Event loop	Nothing	Error always	Future value/result
648	10	Asynchronous JavaScript	Which handles error?	.catch()	1		.catch()	.done()	.finally()	.then()
649	10	Asynchronous JavaScript	Which always executes?	.finally()	1		.catch()	.finally()	.then()	Nothing
650	10	Asynchronous JavaScript	Correct async/await syntax?	async function f(){ await x; }	1		async function f(){await x;}	async await f()	function async(){await}	async function f(){ async await x;}
651	10	Asynchronous JavaScript	Output? Promise.resolve(5).then(x=>x*2).then(console.log);	10	1		10	undefined	Error	25
652	10	Asynchronous JavaScript	Output? async function f(){return 7;} f().then(console.log("hello"));	hello	1		hello	undefined	Error	7
653	10	Asynchronous JavaScript	let arr=[1,2,3]; arr.forEach(async n=>{ if(n%2!==0) console.log(await n*2); });	2 6	1		4	6	2 6	2 4 6

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
654	10	Asynchronous JavaScript	Output? for(let i=1;i<=3;i++){ setTimeout(()=>console.log(i),100); }	1 2 3	1		3 3 3	0 1 2	undefined	1 2 3

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4

655	10	Asynchronous JavaScript	Output of the following?
			async function f() {
			for (let i = 1; i <= 2; i++) {
			const result = await Promise.resolve(i * 10); // async placeholder
			console.log(result);
			}
			}f();
				10 20	1		2 1	Error	20 10	10 20

656	10	Asynchronous JavaScript	Output? let x=Promise.reject('fail'); x.catch(e=>console.log(e));	fail	1		Error	fail	null	failed
657	10	Asynchronous JavaScript	What does await do?	Pauses async function until Promise resolves	1		Stops script	Removes event loop	Ignores Promise	Pauses async function until resolved
658	10	Asynchronous JavaScript	Output? Promise.resolve().then(()=>console.log('A')); console.log('B');	B A	1		B A	Only A	Only B	B A B
659	10	fetch API	Which converts response to JSON?	res.json()	1		res.text()	parse.json()	JSON.parse(res)	res.json()
660	10	fetch API	Default method of fetch?	GET	1		GET	PUT	DELETE	POST
661	10	Form validation	Which of the following text will give “Hii” alert message? <html> <body> <script type="text/javascript"> function greet() { u = document.getElementById("t1").value; if(!(/^#/.test(u))) { alert("Hey");} else { alert("Hii");} } </script> <input type="text" id="t1"/> <input type="submit" onclick="greet()"/> </body> </html>	#ab	1	[LJU,2024]	12#	#ab	abc	1#1
662	10	fetch API	Which header sends JSON?	'Content-Type': 'application/json'	1		'Content-Type':'application/json'	'Accept':'xml'	none	Content-Type':'application/text'
Descriptive Questions										
663	10	Form validation	Design a login form using HTML & JavaScript with following validations on username and password fields. 1. Password length must be 6 to 12 characters 2. Username should not start with _, @ or number. 3. Both should not be blank.		5					
664	10	Form validation	Write an HTML form accepting an integer having 4-digits. Provide necessary validations using JavaScript. Input should not accept characters.		3					
665	10	Form validation	Create a web application for login form with login and password option. Password should be kept up to 5 characters only. Perform necessary validations.		5					
666	10	Form validation	Design a login form with username and password option using HTML and JavaScript. Perform following validations. (i) Username field: minimum length 6 characters, it should not have any special character or digits other than _ (ii) Password field: minimum length 8 characters and maximum length 12 characters, it must contain at least one digit and at least one special character from the set {*,#,_}.		5					
667	10	Form validation	Design a registration form with username and password and email fields using HTML and JavaScript. Perform following validations. (i) Username field: minimum length5 and maximum length 10 characters, it should not start with special charcters (ii) Password field: it must contain at least one digit and at least one special character (iii)Email field: it must follow proper email syntax(for ex., xyz.pqr@mnp.co.in)		5					
668	10	Form validation	Write down java script code to check mobile number (mobile number should start with 9 or 8) and mail id (check @ and .)		4					
669	10	Storage-session	Create a small HTML page where: You store two fields in sessionStorage: username = "lj" email = "lj@example.com" Retrieve and display the stored username in the console. Remove only the email field from sessionStorage, then print the remaining data in the console.		5					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
670	10	Storage-local	Create a small HTML page where: You store three fields in localStorage: product = "Laptop" price = 50000 discount = 10 Retrieve and display the stored product in the console. Remove the discount field from localStorage, then print the updated data in the console.		5					

Sr. No.	chapter_number	keyword	question_text	answer_text	marks	previous_year	option1	option2	option3	option4
671	10	Storage-local	Create a form with three fields: product,price,discount and a Save button. Requirements: 1. When the user clicks Save, store the entered values into localStorage. 2. After saving, display a message:Data saved in local storage! 3. Add another button Remove Discount that removes only the discount field from localStorage. 4. After removal, display the remaining data in the console.		5					
672	10	Storage-session	Create a form with two fields: city, country and a Save button. Tasks: 1. On Save, store both values in sessionStorage. 2. Add another button Remove City to delete only the city field from sessionStorage. 3. Show the remaining values in the console.		5					
673	10	Asynchronous JavaScript	Write a function that returns a Promise which resolves a number after 1 second. Use a loop with async/await to get values from 1 to 3. Print the doubled result of each value.		5					
674	10	Asynchronous JavaScript	Prompt the user to enter 3 numbers (you can use prompt() in browser). For each number, return a Promise that resolves after 1 second. Print the triple of each entered number.		5					
675	10	fetch API	Use the fetch API to make an HTTP GET request to: 1. Retrieve the JSON response and print the key values in the console. 2. Handle any errors using .catch() or try...catch (if using async/await).		5					
676	10	fetch API	Create a simple web page that allows users to fetch and display a random dog image from an external API. The page should include: 1. A heading that indicates the purpose of the page (e.g., "Random Dog Image"). 2. A button that, when clicked, sends a request to the Dog CEO API (https://dog.ceo/api/breeds/image/random) to fetch a random dog image. 3. An image element that displays the fetched dog image dynamically when the user clicks the button. 4. The solution should use JavaScript's fetch API and async/await syntax to handle the API request.		5					