Learning Level (LL)	**L1**: Remembering	**L3**: Application	**L5**: Evaluation
	L2: Understanding	**L4**: Analysis	**L6**: Creation

Q's	Questions	COs	LL
1	Explain the process of establishing an HTTP request. Describe the various *Header Fields* used in HTTP.	**CO4**	**L2**
2	What is meant by *Status Code*, and what does it represent? Define the HTTP status codes **200** and **400**, explaining what each represents.	**CO4**	**L2**
3	What are *Cookies* in the context of HTTP? Explain their purpose and functioning, using a diagram for illustration.	**CO4**	**L2**
4	Explain the differences between *WebSocket* and *Long Polling*.	**CO4**	**L2**

5	Describe XML *DTD*, including its key features, advantages, and disadvantages.
	 Write the appropriate *DTD* for the given *XML* document:
	
	 `<?xml version="1.0" encoding="UTF-8"?>`
	 `<booklib>`
	   `<book>`
	     `<author>Kunal Das</author>`
	     `<title bksrl="IN234">IWT Book BCA</title>`
	   `</book>`
	   `<book>`
	     `<author ac="OD1234" bank="SBI">Jamini Roy</author>`
	     `<title bksrl="US213">OS Book BCA</title>`
	   `</book>`
	   `<pubinfo>`
	     `<pcom>SOA ITER</pcom>`
	     `<vol>IV</vol>`
	     `<pdate>`
	       `13th`
	       `<month>Jan</month>`
	       `2023`
	     `</pdate>`
	   `</pubinfo>`
	 `</booklib>`
		CO4	**L6**

6	Explain why *JSON* is used. Discuss the structure and significance of *JSON Schema*.	**CO4**	**L4**
7	Explain *AJAX*, including its key features and advantages. Explain how AJAX loads *data synchronously* and fetches *API*, illustrating its workflow with a flow diagram.	**CO4**	**L4**

8	Describe the differences between *Synchronous* and *Asynchronous Communication*, using diagrams to illustrate both.	CO4	L2
9	Write about the Web Content Accessibility Guidelines (*WCAG*) Explain any **2** of these **Guidelines**.	CO5	L2
10	Why are *Form Accessibility* and *Keyboard Support* important for a webpage? Explain their significance with an example that includes logical validation.	CO5	L4
11	Compare the 3 main types of mobile applications: *Native*, *Web*, and *Hybrid*.	CO6	L4

Note:
1. Assignment carries a weightage of **20 marks out of 100**
2. Course outcome CO4, CO5, and CO6 were covered.

	CO1	Explain fundamental concepts of web development, including client–server interaction, software stacks, and developer tools.
	CO2	Create structured web pages using HTML elements, attributes, forms, links, tables, and multimedia.
	CO3	Apply CSS for styling and layout, utilizing selectors, positioning, flexbox, and grid systems to design visually appealing pages.
Course Outcomes	CO4	Develop interactive and dynamic web pages using JavaScript, DOM manipulation, events, and Web APIs.
	CO5	Demonstrate best practices in accessibility, responsive design, and performance by applying standards, testing tools, and assistive technologies.
	CO6	Build modern frontend applications by integrating CSS preprocessors, React-based single-page applications, and cross-platform mobile development using React Native.