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Daffodil International University
Faculty of Science & Information Technology
Department of Software Engineering
Midterm Examination, Summer 2026
Course Code: SE 235 Course Title: Desktop and Web Programming
Sections & Teachers: 43 { A, B, O(PC), C, D, E(TT), F, G(KM), H(SAC), I(SSI), K, L(RUA), J, M, N(PS) }

Time: 1 Hour 30 Mins **Marks: 25**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1	**a) Explain** how an HTML page for **FIFA World Cup 2026 Fan Registration Form** can be structured using suitable HTML tags containing
	• A heading displaying "FIFA World Cup 2026 Fan Portal"
	• A form containing:
	  ○ Fan Name (text input)
	  ○ Password (password input)
	  ○ Favorite Team (dropdown list, use four teams as select options)
	  ○ Upload Supporter Photo (file input)
	  ○ Submit button
		5	CLO -1 *Level -2*

	`body { background: #1a1a2e; color: #ffffff; }`
	`h1 { color: gold; text-align: center; }`
	`.form-section { padding: 20px; margin: 10px; border: 2px solid gold;}`
	`input[type="text"] { background: white; color: black; }`
	`#title { font-size: 2em; }`
	`.highlight { color: gold; }`
	`a:hover { color: red; text-decoration: underline; }`
	`input[type="submit"] {`
	`  background: green; color: white; padding: 8px 16px;`
	`}`
	b) Identify the type of CSS selector used for each rule in the snippet (e.g., element, class, id, attribute, pseudo-class). Then describe the specificity score for **.highlight** and **`#title`**. Which one wins if both target the same element?
		3	

	c) Draw the CSS Box Model diagram and label all four areas. **explain** what each property (padding, margin, border) does visually on the web page.	2	

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2	<html> <body> <form id="form" action="https://swe43.com/test" method="post"> Hello World Student ID: <input type="text" name="student_id"> Favorite World Cup Team: <input type="text" name="favourite-team"> <input type="submit" value="Submit"> </form> </body> </html>		CLO -2 Level -4
	a) **Explain** the concept of client server architecture.	3	
	b) **Infer** the necessary JavaScript from the given HTML document to replace: - "Hello World" with "Hello Earth", - Change the "type" attribute of the input element with the name "favourite-team". Turn it into a password.	4	
	c) **Analyze** what form data would be submitted to the server if the input element with the name attribute "student_id" is changed to "**sid**" in the given HTML code. Clearly explain the effect of this change on the submitted form data.	3	
		5	

Day	9:00 PM	11:00 PM	12:00 PM
Sunday	Web Tech	No Class	
Monday	No Class		OS Lab
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d) Write HTML code that reproduces the table exactly.