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Daffodil International University

Department of Software Engineering

Faculty of Science & Information Technology

Midterm Examination, Summer-2025

Course Code: SE 321; Course Title: Software Engineering Web Application

Sections: A,B,C,D,E,F,G,H,I & Teachers: PAS,DB,MI,MMMH,AG,AAM,AMR

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)*	You are developing a global food delivery web application that must perform well across devices, support user preferences, and allow fast menu and pricing updates. **Figure** out the key software quality attributes that would make this application both reliable and user-friendly.	[Marks-5]	CLO-2 *Level-3*
	b)	**Demonstrate** with HTML form examples how 'GET' is used for product search and 'POST' for user login.	[Marks-5]	
2.	*a)*	After years of hard work, you finally reach the final interview at **Meta**. Suddenly, the panel informs you the **Facebook sign-up page is broken**—and it's your task to fix it. This is your moment to shine, to stay calm under pressure and prove your skills. Now,  **Develop** a responsive web page using HTML and CSS that accurately replicates the layout and design depicted in the provided image.	[Marks-10]	CLO-3 *Level-6*
3.	*a)*	***Develop*** a JavaScript function processAndConcat(arg1, arg2) that takes two strings **(str1,str2)** as arguments, trim leading and trailing spaces, convert **str1** to uppercase, **str2** to lowercase, replace all internal spaces in both strings with **underscores _**, then concatenate them with a **hyphen -**. **Sample Input:** " Hello World" " GOOD Morning " **Sample Output:** HELLO_WORLD-good_morning	[Marks-5]	CLO-4 *Level-6*