

**BRAC UNIVERSITY**  
**Department of Computer Science and Engineering**

Examination: Quiz 1  
Semester: Fall 2024

Duration: 20 min  
Full Marks: 15

**CSE 470: Software Engineering**

Name:	ID:	Section:
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The IT team at "EnergyScape Tech" encountered a critical task challenge. Recognizing the necessity for a software solution, the team searched for the ideal partner and chose to collaborate with "InnoTech Solutions," a renowned software company. Salman Khan, the team lead at "InnoTech Solutions," assured EnergyScape Tech that the company has a team of highly proficient engineers but they need to go through a training process to be well-equipped in developing projects and providing robust technological support. Salman proposed that they want to develop the whole software with multiple releases. Though it needs a certain amount of time to develop the project, they can divide the software into a fixed number of versions to be released, ensuring that the software could be utilized from the beginning. This approach aligned with the customer's desire for a prototype version from the start. To address the dynamic nature of the requirements, Salman proposed engaging in a parallel stage. Moreover, the versions would be prioritized by the customers. The collaboration between EnergyScape Tech and InnoTech Solutions made a successful delivery of the software solution.

1.	CO1	<p>A. <b>Which</b> SDLC would Salman Khan select for the software development, and justify your choice? [2] Ans: Incremental</p> <p>B. <b>What</b> could the implementation process for the above SDLC. [5] Ans: check the figures in the slide</p> <p>C. Based on the selected model, is it feasible to implement any additional changes in the feature set while in the development phase? Justify your response. [3] Ans: No</p> <p>D. If the team decides to create documentation after the development, mention two advantages and disadvantages of the chosen model in the above scenario. [4] Ans: Check slide</p>	15
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