BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Quiz 1   **Duration: 20 min**

Semester: Fall 2024   **CO1**   **Full Marks: 15**

CSE 470: Software Engineering

Name: ID: Section:

Batman, Gotham's protector, had a futuristic vision—an app capable of analyzing PUBG gameplay which can track player skills, and providing real-time performance insights. To turn this vision into reality, he appointed Palak, a skilled developer from Bangladesh who was Batman's trusted ally. He knew how to adapt quickly and deliver results under intense pressure. After analyzing Batman's research, Palak identified the most crucial features for the app, beginning with the development of core functionality—tracking player movements, analyzing kill/death ratios, and assigning performance ratings. Batman also provided a list of must-have features: a "Leaderboard" to rank the top players and sound effects to celebrate impressive kills and high scores. After every update, Palak presented the new features to Batman who was true to his Dark Knight personality and demanded hands-on feedback. Even if past releases needed any modification that were also reintroduced to Batman to ensure every detail was polished and perfect. He told Palak, "If you can not add new features for my PUBG, at least fix the previous error and show me the improvements." To meet Batman's desire, Palak's team worked in parallel—she focused on the app's core functionality while the design team worked on an immersive, user-friendly interface. Palak's team set a two-year timeline to complete the project while they will release updates in manageable phases, just like a planned mission to protect Gotham.

1.	A. What SDLC Model should Palak choose to implement the project? Justify your answer. [5] B. Explain the process you will follow to implement the whole project.[5] C. What are the advantages and disadvantages of the chosen model in the above scenario? Provide 3 points for each. [5]