Set-B

BRAC UNIVERSITY
Department of Computer Science and Engineering

Examination: Quiz 1   Duration: 20 min
Semester: Fall 2024
Full Marks: 15
CSE 470: Software Engineering

Name: **ID:**   **Section:**

Question 1: You are working with a team tasked with developing a medical records management system (MRMS) for a large hospital. The system needs to handle sensitive patient data, integrate with various healthcare providers, and comply with strict security regulations. Due to the critical nature of this system, the hospital requires thorough inspection at each stage of the development process to ensure the highest standards of security and data integrity, as a small amount data breach or error in data can be catastrophic in healthcare system.   *[CO1] [10]*

a. What SDLC process should be chosen to implement this System [1]
b. Explain how the chosen SDLC model would be implemented in the above scenario? [5]
c. How does this model benefit as compared to other chosen models? Justify your answer. [4]

Question 2: Write True or False beside the statement.   *[CO1] [05]*

1. Iterative Process Model allows requirements to be modified during development.

2. In the Waterfall Model, if a defect is found during testing, it requires changes to all phases.

3. In the Waterfall Model, coding can start even if the design phase is incomplete.

4. In the V-Model, a failure in a test requires updates to both the test document and code.

5. In the Incremental Model, customers must know all requirements from the start.