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School of Computing Science and Engineering

Bachelor of Science in Computer Science

Mid Term Examination - Mar 2024

Duration : 90 Minutes

Max Marks : 50

Sem VI - E1UP602B - Software Quality Management

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Explain why software quality indicators are essential in software development. K2 (2)
- 2) List the examples of non-functional requirements related to software quality attributes. K1 (3)
- 3) Interpret how software quality attributes contribute to the overall success of a software project. K2 (4)
- 4) Compare the difference between functional and non-functional requirements in software engineering. K2 (6)
- 5) Given a software project, how would you apply appropriate quality indicators to monitor throughout its development lifecycle. K3 (6)
- 6) Given a scenario, apply appropriate software quality attributes to develop a set of requirements for a new e-commerce website. K3 (9)
- 7) Compare the security requirements for a banking application versus a social media platform. K4 (8)
- 8) a) Analyse the impact of scalability on the performance of a cloud-based application. b) Discuss the above issues using suitable example. K4 (12)

OR

- a) Analyse the impact of scalability on the performance of a cloud-based application. b) Discuss the above issues using suitable example. K4 (12)