School of Computing Science and Engineering
Bachelor of Technology in Computer Science and Engineering
Mid Term Examination - Nov 2023

Duration : 90 Minutes
Max Marks : 50

Sem V - E2UC502T - Software Testing and Quality Assurance

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) Determine the differences between a bug, fault, and error and how they cause a system failure. Justify your answer with suitable example. K3 (6)

2) If the Waterfall approach is appropriate for the development of a train reservation system, demonstrate its effectiveness in case of an interactive system that makes it possible passengers to get the time and other data through terminals placed throughout the station. K3 (9)

3) What kind of software development techniques should be employed to get your software project approved for feasibility? Write any two software development techniques that help the developers to increase their viability and support. K4 (8)

4) Assume that some problems happened during a bank transaction at an ATM Software caused by human error. As an ATM user, create an Incident Report (IR) for this situation. K5 (15)

5) Assume that you are employed in ABC Company as a software engineer. You are working on a software project as a team. As a software engineer, what challenges did you face when creating and releasing the product? K6 (12)