



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering

Fall Semester 2023-2024 Continuous Assessment Test – I

SLOT: C1

Programme Name & Branch: B.Tech (Computer Science with Business Systems)

Course Name & code: Software Engineering Methodologies CBS1005

Class Number (s): VL2023240103380, VL2023240103391

Faculty Name (s): Dr. Sivaprakash S & Dr. Yoganand S

Exam Duration: 90 Min.

Maximum Marks: 50

Q.No	Answer all the Questions	Max Marks
1.	Compare the error, fault and failure in software with your own example. (5) Discuss the ways to avoid the failure in software development in the same example you mentioned. (5)	10
2.	As a software engineer you are asked to design a website for two wheeler sales, service and spares retailer shop. Assume your customer is new to this field. Identify the software development model that is suitable for the given scenario. Justify your answer with all the phases in the model support your answer.	10
3.	Identify the types of risks, probability and effects of various types of risks that may occur in the scenario given in Q.No.5 (6) Why configuration management is important in software engineering. (4)	10
4.	Define Quality. With a suitable mobile application example, demonstrate in detail about various dimensions of quality as per the Garvin's quality dimension towards quality in design methodologies.	10
5.	Consider an organization executing the task of arranging blood donation camp for various hospitals through a mobile application. Determine the various users for this task. Identify the functional and non-functional requirements for the given scenario. Elaborate the requirements you have identified.	10