

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V EXAMINATION – SUMMER 2025****Subject Code:3155201****Date:22-05-2025****Subject Name:Agile Software Development & Devops****Time:02:30 PM TO 05:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Explain a Software Layered Technology	03
	(b) How do we know whether the design of a software system is Good? Explain in detail	04
	(c) List out agile design principles. Explain them in detail.	07
Q.2	(a) What is Agile forecasting	03
	(b) Discuss Agile Manifesto.	04
	(c) What are different types of Agile Methodology?.	07
	OR	
	(c) Explain SCRUM in detail	07
Q.3	(a) What is Agile Drivers	03
	(b) How to perform progress tracking in Agile process.	04
	(c) Explain Agile Knowledge Sharing.	07
	OR	
Q.3	(a) Differentiate between Agile and Scrum.	03
	(b) Briefly explain principles of agile methods	04
	(c) Explain Agile Testing? What are the principles of Agile Testing?	07
Q.4	(a) What is user stories.	03
	(b) Discuss Agile Life cycle Processes.	04
	(c) Explain the Funnel Model of Agile UX.	07
	OR	
Q.4	(a) What is Sprint Backlogs?	03
	(b) How to manage unstable requirements	04
	(c) Explain Agile Approach to Quality Assurance.	07
Q.5	(a) What is Agile Metrics	03
	(b) Explain Performance Testing.	04
	(c) Discuss DevOps Principles.	07
	OR	
Q.5	(a) Discuss the nature of UX design	03
	(b) What are the crucial Agile Matrices?	04
	(c) Explain Data collection methods and Techniques in UX Evaluation.	07
