

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2023****Subject Code:3155201****Date:15-12-2023****Subject Name:Agile Software Development & Devops****Time:10:30 AM TO 01:00 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) Discuss Component-Based Development.	04
	(c) Differentiate Traditional software Model and Agile Model.	07
Q.2	(a) What is Agile forecasting.	03
	(b) Discuss Agile Manifesto.	04
	(c) Explain Extreme Programming in detail.	07
	OR	
	(c) Explain SCRUM in detail.	07
Q.3	(a) Describe Refinement in Agile model.	03
	(b) Explain velocity in Agile process.	04
	(c) Discuss Challenges of migrating to Agile Methodologies.	07
	OR	
Q.3	(a) What is Agile Drivers.	03
	(b) How to perform progress tracking in Agile process.	04
	(c) Explain Agile Knowledge Sharing.	07
Q.4	(a) What is user stories.	03
	(b) Describe Requirements Elicitation.	04
	(c) Explain Agile Requirements Prioritization.	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) What is Devops?	03
	(b) Explain UI Testing.	04
	(c) Discuss 7-C's of DevOps Lifecycle for Business Agility.	07
