PRN:		Course Code :	CST 405

Final Year **B. Tech** End Semester Examination Summer 2023

Agile Software Development

Day and Date: Wednesday, 14/06/2023 Max Marks: **100**

Time : 2.00 to 5.00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		Attempt the following			
	a)	Explain Agile software development Manifesto and Principles.	08	2	CO1
	b)	Explain Lean Software Development method.	08	2	CO1
		OR			
	b)	Differentiate between Agile Software Development and Waterfall model.	08	3	CO1
Q.2		**Attempt the following**			
	a)	What is Planning game in Agile? Explain in detail .	08	1,2	CO2
	b)	Explain Agile Estimation methods.	08	2	CO2
		OR			
	b)	List and Explain various Roles in Scrum.	08	4	CO2
Q.3		**Attempt any two from the following**			
	a)	What is meant by user stories? How are they used in Agile? Discuss characteristics of user stories .	08	6	CO3
	b)	Explain Single responsibility Principle.	08	5	CO3
	c)	Explain Open Closed Principle	08	5	CO3
Q.4		**Attempt any two from the following**			
	a)	Explain Non Functional Testing	08	5	CO3
	b)	Explain Unit Testing	08	2	CO3
	c)	Explain User Acceptance Testing	08	4	CO3
Q.5		**Attempt any Two of the following**			
	a)	Discuss how to Implement Test Automation Effectively in Agile Teams ?	09	6	CO3
	b)	Discuss Testing Principle and Concrete practice	09	6	CO3
	c)	Explain tools to support Agile tester.	09	2	CO4
Q.6		**Attempt any Two of the following**			
	a)	Explain how to manage agile in Distributed Teams.	09	2	CO4
	b)	Explain Market scenario and adoption of Agile.	09	6	CO4
	c)	Discuss, how to balance agility with Discipline?	09	6	CO4

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