GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER- VII EXAMINATION-SUMMER 2023

Subject Code: 3171610   **Date: 26/06/2023**

Subject Name: Agile Development and UI/UX design

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)**	Define: Testing, Refactoring	03
	(b)	Explain Agile Development with example.	04
	(c)	Explain Agile Design Principle in Detail.	07
Q.2	**(a)**	What is SCRUM?	03
	(b)	Compare Between Agile model with Waterfall model.	04
	(c)	Explain SRP: The Single Responsibility Principle in detail.	07
		OR	
	(c)	Explain the Liskov Substitution Principle in detail.	07
Q.3	**(a)**	Define: Rigor	03
	(b)	Explain UX Design Life cycle process.	04
	(c)	Differentiate between Bottom-up versus Top-down Design.	07
		OR	
Q.3	**(a)**	What is "Scope" of a project?	03
	(b)	Draw and explain the funnel model of Agile UX	04
	(c)	Explain Agile Testing? What are the principles of Agile Testing?	07
Q.4	**(a)**	Discuss advantages and disadvantages of the agile methodology.	03
	(b)	Explain the UX Design Techniques as Life Skills in brief.	04
	(c)	Write a detailed note on "OCP: The Open-Closed Principle".	07
		OR	
Q.4	**(a)**	What is "clickthrough prototype"?	03
	(b)	Discuss Agile Life cycle process.	04
	(c)	List and explain Generative Design activities in brief.	07
Q.5	**(a)**	What is Extreme programming?	03
	(b)	Discuss Expert UX Inspection.	04
	(c)	Explain Depth and Breadth of prototyping with a appropriate diagram.	07
		OR	
Q.5	**(a)**	What is Design walk-through?	03
	(b)	How do agile software engineering and agile user experience work together?	04
	(c)	Empirical UX evaluation in detail.	07

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