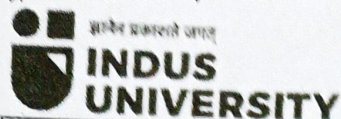Approved

X-CE0616-040

Enrollment No: _____

INDUS UNIVERSITY
IITE/ISHLS/IICT
Constituent Institutes of Indus University

Semester:	VI		Branch:		Computer Engineering

END SEMESTER EXAMINATION – May 2023

Subject Code:	CE0616	Subject Name:	Software Engineering & UML
Date:	08/05/2023	Time:	3 Hrs. 2:00PM TO 5:00PM
Day:	MONDAY	Total Marks:	100

Instructions:
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicates full marks.

Q.1	A	What is the importance of process model in development of software system? Explain RAD process model with proper Figure in detail.	10
	B	What is an Agile Development? Explain different Agile Techniques in details.	10
Q.2	A	What is Requirement Engineering? List the Functional and Non Functional requirement for Student Examination Assessment system.	10
	B	Develop a Complete Use case , Activity and DFD Diagrams for Social Networking Website.	10
Q.3	A	What are the steps in software Project Planning? What is effort estimation? Explain Different Software Estimation Techniques.	10
	B	What is the importance of SQA? Explain Different SQA activities along with Software Quality management.	10
Q.4	A	What are different Types of Testing Techniques available in Software project management? Explain Black-Box Testing with Example.	10
	B	What is Software Re-Engineering? Explain Difference between software Re-Engineering and Reverse Engineering.	10
Q.5		Any Four (05*4=20)	20
	A	What do you mean by risk? Explain all type of Software risk.	05
	B	Differentiate between Quality Assurance & Quality Control.	05
	C	Explain Risk Management , Monitoring and Mitigation.	05
	D	What are the different levels of testing? Explain any one with suitable example.	05
	E	What is White-box Testing. Explain with Example.	05
	F	Explain Unit Testing Vs System Testing.	05