

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019

Subject Code:2160701

Date:10/05/2019

Subject Name:Software Engineering

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.

		MARKS
Q.1	(a) What is Software Engineering? What is Process? What is Product?	03
	(b) Explain Software Engineering as a Layered Technology.	04
	(c) Explain Waterfall process model.	07
Q.2	(a) Explain Formal Technical Review.	03
	(b) Define Coupling and Cohesion.What is the difference between cohesion and coupling.	04
	(c) What is the importance of User Interface? Explain User Interface design rules.	07
OR		
Q.3	(c) Explain SCM process in details.	07
	(a) Compare Prototype and RAD Process Model.	03
	(b) What is architectural design? Enlist different style and patterns of architecture.	04
	(c) What is the importance of SQA? Explain the SQA activities.	07
OR		
Q.3	(a) Explain the process of code review.	03
	(b) Difference between reverse engineering and forward engineering.	04
	(c) Explain Software as a Service (SaaS).	07
Q.4	(a) Explain COCOMO model for project estimation.	03
	(b) Explain Agile Development in detail.	04
	(c) Explain Risk Management.	07
OR		
Q.4	(a) Explain Version and Change Control Management.	03
	(b) Explain 4 P's of Effective Project Management in detail.	04
	(c) Explain Integration testing.	07
Q.5	(a) State the difference between procedural Design and Object Oriented Design.	03
	(b) Write short notes on Reverse Engineering	04
	(c) Explain White Box Testing With an Example.	07
OR		
Q.5	(a) Compare quality control with quality assurance.	03
	(b) Explain Software Project management and W5HH principle	04
	(c) Write a short note on Requirement Engineering.	07
