

GUJARAT TECHNOLOGICAL UNIVERSITY
B.VOC- SEMESTER-II EXAMINATION – WINTER 2024

Subject Code:21120202

Date:23-12-2024

Subject Name:Software Engineering

Time:02:30 PM TO 04:30 PM

Total Marks:50

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 Software Engineering as a Layered Technology.	05
	(b) Write a note on Software development life cycle.	05
Q.2	(a) Explain various communication techniques used for requirement analysis.	05
	(b) Draw Data Flow Diagram for Hospital Management System.	05
OR		
	(b) Write SRS for college management system.	05
Q.3	(a) What is coupling? Explain different types of coupling.	05
	(b) Explain Spiral Model in brief with suitable diagram.	05
OR		
Q.3	(a) What is Cohesion? Explain different types of cohesion.	05
	(b) Explain RAD model in detail.	05
Q.4	(a) Give the difference between Black Box Testing and White Box Testing.	05
	(b) Write a short note on Unit Testing.	05
OR		
Q.4	(a) Compare Quality Control with Quality Assurance.	05
	(b) Explain testing strategies (different levels of testing) in detail.	05
Q.5	(a) Write a short note on Reverse Engineering.	05
	(b) Write a short note on Software Reuse.	05
OR		
Q.5	(a) Write a short note on Software Re-engineering.	05
	(b) Explain integrated CASE environment.	05
