

GUJARAT TECHNOLOGICAL UNIVERSITY**B.VOC- SEMESTER-II EXAMINATION – SUMMER 2022****Subject Code:21120202****Date:28-07-2022****Subject Name:Software Engineering****Time:10:30 AM TO 12:30 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) What is Software Engineering? What is Process? What is Product?	05
(b) Explain COCOMO Model.	05
Q.2 (a) Explain project management and W5HHH principle.	05
(b) Draw Data Flow Diagram upto level 2 for Hospital Management System.	05
OR	
(b) Draw Class Diagram for Library Management System.	05
Q.3 (a) State various design principles.	05
(b) What is coupling? Explain different types of coupling.	05
OR	
Q.3 (a) Write short note on “Human Computer Interface Design”	05
(b) What is Cohesion? Explain different types of cohesion.	05
Q.4 (a) Explain different CMM levels.	05
(b) Explain testing strategies (different levels of testing) in detail.	05
OR	
Q.4 (a) Explain Formal Technical Review.	05
(b) Compare Quality Control with Quality Assurance.	05
Q.5 (a) Explain CASE tools and its importance in software engineering.	05
(b) Write a short note on Software Re-engineering.	05
OR	
Q.5 (a) Explain integrated CASE environment.	05
(b) Write a short note on Reverse Engineering.	05
