



R20 Regulation

Subject code:3P5FA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, December 2024

SOFTWARE ENGINEERING (IT)

Maximum Marks: 70

Date:08.01.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20) Marks)		CO	Bloom Tx
1	Define CMMI model and list out levels.	1	L1
2	Define software. List out types of software.	1	L1
3	What are system requirements?	2	L1
4	Define structured methods.	2	L1
5	Define cohesion	3	L1
6	What is the use of UML?	3	L1
7	Define smoke testing.	4	L1
8	Define software Quality. List out the important principles of software quality.	4	L1
9	Write short notes on Risk Identification?	5	L1
10	List out Review Guidelines.	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Discuss software myths in detail. [5M] B) Demonstrate process patterns in detail. [5M]	1	L2
	OR		
12	A) Explain software process assessment in detail. [5M] B) Illustrate CMMI model in detail. [5M]	1	L2
13	A) Explain requirements management in detail. [5M] B) Demonstrate data dictionary. [5M]	2	L2
	OR		
14	A) Explain context models with neat sketch. [5M] B) Explain structured methods in detail. [5M]	2	L2
15	Demonstrate Architectural Styles in detail. [10M]	3	L2
	OR		
16	Illustrate Class Diagram and Sequence Diagram in detail. [10M]	3	L2

17	A) Explain briefly about metrics for maintenance. B) Explain Top-down integration in detail.	[5M] [5M]	4	L2
	OR			
18	Explain Software Quality in detail.	[10M]	4	L2
19	Discuss about Risk Projection and Risk Refinement.	[10M]	5	L2
	OR			
20	A) Discuss ISO 9000 Quality Standards. B) Explain Software Reviews in detail.	[5M] [5M]	5	L2