



R18 Regulation

Subject code: 2P4EE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, February 2024

SOFTWARE ENGINEERING

(CSE)

Maximum Marks: 70

Date: 26.02.2024 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.

4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		CO	Blooms Tx
All the following questions carry equal marks		(10x2M=20 Marks)	
1	Compare waterfall model and spiral model.	CO1	L2
2	What is software engineering activity?	CO1	L1
3	Explain the kinds of system requirements	CO2	L2
4	Define context models.	CO2	L1
5	Write the difference between cohesion and coupling?	CO3	L2
6	What is Design?	CO3	L1
7	Define alpha testing	CO4	L1
8	Define system testing.	CO4	L1
9	Define reactive and proactive risk strategies	CO5	L1
10	Define risk projection	CO5	L1
Part-B			
Answer All the following questions.		(10M X 5=50Marks)	
11	A) Explain briefly about software crisis. B) Explain process patterns. [5+5]	CO1	L2
	OR		
12	Explain briefly about any two Software development process models. [10]	CO1	L2
13	Which model in system modeling depicts the dynamic behavior of the system explain in detail. [10]	CO2	L1
	OR		
14	a) What are the characteristics of software requirement documentation? b) Explain about requirements validation. [5+5]	CO2	L1
15	Explain about Design Quality? [10]	CO3	L2

	OR		
16	Describe mapping data flow into a software architecture [10]	CO3	L6
17	Discuss black box testing in a detailed view [10]	CO4	L6
	OR		
18	Discuss software quality factors? Discuss their relative importance. [10]	CO4	L6
19	Explain about Quality concepts? Describe metrics for source code and for testing. [10]	CO5	L2
	OR		
20	Explain about the importance of test strategies for conventional software. [10]	CO5	L2