



R18 Regulation

Subject code:2P4EE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, December 2024

SOFTWARE ENGINEERING (CSE)

Maximum Marks: 70

Date:12.12.2024

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 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	List out software development lifecycle phases.	1	L1
2	List all the umbrella activities in process framework?	1	L1
3	Write short note on software requirements documentation (SRD).	2	L1
4	What are functional requirements for software?	2	L1
5	List out Quality attributes.	3	L1
6	What is cohesion?	3	L1
7	Define smoke testing.	4	L1
8	List out the steps for bottom-up integration.	4	L1
9	Write the formal technical reviews?	5	L1
10	What is the six sigma for software?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Explain briefly about software crisis. [5M] B) Explain process patterns. [5M]	1	L2
OR			
12	Explain briefly about any two Software development process models. [10M]	1	L2
13	Which model in system modeling depicts the dynamic behavior of the system explain in detail. [10M]	2	L2
OR			
14	a) What are the characteristics of software requirement documentation (SRD)? [5M] b) Explain about requirements validation. [5M]	2	L2
15	a) Write about Pattern based software design. [5M] b) Elaborate modeling component level design. [5M]	3	L2
OR			
16	What are the design concepts in software engineering? [10M]	3	L2

17	a) Describe the framework for software product metrics. [5M] b) What are the metrics used for software maintenance [5M]	4	L2
	OR		
18	Explain brief about integration testing strategies. [10M]	4	L2
19	Compare contrast between reactive versus proactive risks. [10M]	5	L2
	OR		
20	Explain briefly about RMMM plan. [10M]	5	L2