R20 Regulation *Subject code:3P5HE*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, May 2025

SOFTWARE ENGINEERING

(CSE(DS))

Maximum Marks: 70 Date: 27.06.2025 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.
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)		Marks	CO	BTL
1	Demonstrate all the applications of software	2M	1	L1
2	List out the types of software myths?	2M	1	L1
3	Discuss different types of system requirements?	2M	2	L1
4	Discuss domain requirements?	2M	2	L1
5	Describe about software quality guidelines	2M	3	L1
6	How do we assess the quality of a software design	2M	3	L1
7	Explain different steps that can be applied to derive the test cases.	2M	4	L1
8	What is loop testing? Write a short notes on loop testing.	2M	4	L1
9	What is risk refinement?	2M	5	L1
10	Define a risk. How to handle it?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Discuss about software Engineering? Explain the layered technology of software Engineering.	10M	1	L2
	OR			
12	Explain "Software myth"? Discuss on various types of software myths and the true aspects of these myths.	10M	1	L2
13	Difference between the Functional requirements and Non-Functional Requirements.	10M	2	L2
	OR			
14	What is requirement? Explain about user requirements and System Requirements with an example.	10M	2	L2
15	Illustrate the importance of design classes. Explain different types of design classes.	10M	3	L2
	OR			
16	Discuss in detail about architectural design elements and interface design elements.	10M	3	L2

17	Compare and contrast black box testing and White Box testing.	10M	4	L2
	OR			
18	What is system testing? Explain briefly about system testing.	10M	4	L2
19	Elaborate the RMMM plan.	10M	5	L2
	OR			
20	Discuss various software risks.	10M	5	L2