



R20 Regulation

Subject code:3P5HE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, December 2024

SOFTWARE ENGINEERING (CSE (DS))

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	List the goals of software engineering?	1	L1
2	What is software process? List its activities.	1	L1
3	What is Software Prototyping?	2	L1
4	What is meant by feasibility studies?	2	L1
5	Define - Software design.	3	L1
6	List any four architectural styles.	3	L1
7	What is boundary value analysis	4	L1
8	Discuss about alpha and beta testing.	4	L1
9	Define a risk. How to handle it?	5	L1
10	What is risk estimation? List its types.	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	Explain "Software myth"? Discuss on various types of software myths and the true aspects of these myths. [10M]	1	L2
OR			
12	Discuss about software Engineering? Explain the layered technology of software engineering. [10M]	1	L2
13	What is the purpose of data flow diagrams? What are the notations used for the same. Explain by constructing a context flow diagram level -0 DFD and level-1 DFD for a library management system? [10M]	2	L2
OR			
14	Discuss any four process models with suitable application. [10M]	2	L2
15	Explain cohesion & coupling and its types. [10M]	3	L2
OR			
16	What is software Architecture? Why it is important explain with an example. [10M]	3	L2

17	Explain about various testing Strategy. [10M]	4	L2
	OR		
18	Explain size-oriented metrics with suitable examples. [10M]	4	L2
19	How the risk identification is done in risk management? [10M]	5	L2
	OR		
20	Write briefly about Risk mitigation, monitoring, and management. [10M]	5	L2