



R20 Regulation

Subject code: 3P5HAE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, July 2024

SOFTWARE ENGINEERING

(CSE(DS))

Maximum Marks: 70

Date:01.08.2024 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. Total 10 questions it consists.
 4. Part-B each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		CO	Bloom Tx
All the following questions carry equal marks (10X2M=20 Marks)			
1	What are the characteristics of the software?	1	L1
2	Define software engineering.	1	L1
3	What is a software requirements document (SRD)?	2	L1
4	Define functional and non- Functional requirements.	2	L1
5	List the architectural models that can be developed	3	L1
6	Define data design.	3	L1
7	What are the objectives of testing?	4	L1
8	Define black box testing	4	L1
9	What are the processes of risk management?	5	L1
10	What is RMMM?	5	L1
Part-B			
Answer All the following questions. (5X10M=50Marks)			
11	Explain the Iterative waterfall and Incremental model of Software life cycle models and also various activities in each phase. [10]	1	L2
	OR		
12	Explain in detail Evolutionary Software process models with the help of a diagram. [10]	1	L2
13	Explain SRS document along with its contents. [10]	2	L2
	OR		
14	Explain requirement engineering process. [10]	2	L2
15	Explain clearly the concept of design architectural styles and patterns. [10]	3	L2
	OR		
16	Explain briefly about the design process and design quality. [10]	3	L2
17	What is testing? Discuss in detail about White-Box testing. [10]	4	L2
	OR		
18	What is unit testing? Why is it important? Explain the unit test consideration and test procedure. [10]	4	L2
19	Define Risk. Explain the needs and activities or risk management. [10]	5	L2
	OR		
20	Explain the various CASE tools for project management and how they are useful in achieving the objectives. [10]	5	L2

