



R18 Regulation

Subject code: 2P4EE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, September 2023

Software Engineering

(CSE)

Maximum Marks: 70

Date: 23.09.2023 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)

- 1 Compare waterfall model and spiral model.
- 2 List all the umbrella activities in process framework?
- 3 Write short note on software requirements documentation (SRD).
- 4 What are functional requirements for software?
- 5 List out the different Architectural styles
- 6 What is mean by software design quality? Explain.
- 7 Define alpha testing
- 8 List out the steps for bottom-up integration.
- 9 What is the importance of software reviews?
- 10 Define software reliability.

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 a) Explain briefly about software crisis. (5M)
b) Explain process patterns. (5M)
OR
- 12 Explain changing nature of software in detail. (10M)
- 13 Which model in system modeling depicts the dynamic behavior of the system explain in detail.
OR
- 14 What is software management? Explain in detail. (10M)
- 15 List out Design concepts and explain in detail. (10M)
OR
- 16 What are the design concepts in software engineering? (10M)
- 17 List the seven principals of risk management and explain. (10M)
OR
- 18 Discuss black box testing in a detailed view (10M)
- 19 List the seven principals of risk management and explain? (10M)
OR
- 20 Define software reliability along with its terms. (10M)

