



R18 Regulation

Subject code: 2P4FD

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, September 2023

Software Engineering

(IT)

Maximum Marks: 70

Date: 24.09.2023 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 What are the software process layers?
- 2 What are the characteristics of software?
- 3 What are system requirements?
- 4 What is context model?
- 5 Define cohesion and what the types of cohesion are.
- 6 What are architectural patterns?
- 7 What is meant by software measurement?
- 8 Define Drivers and stubs
- 9 Define RMMM.
- 10 What is Risk Identification?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 a. Demonstrate process patterns in detail. (5M)
b. Explain software process assessment in detail. (5M)
OR
- 12 Explain RAD model and spiral model with its merits and demerits. (10M)
- 13 Discuss user requirements and system requirements in detail. (10M)
OR
- 14 a. Illustrate software requirements document in detail. (5M)
b. Explains structured methods in detail. (5M)
- 15 Discuss about cohesion and coupling and their types in detail (10M)
OR
- 16 Explain in detail about interface design steps. (10M)
- 17 Discuss about the metrics for design model and source code. (10M)
OR
- 18 Explain in detail about integration testing with neat sketch. (10M)
- 19 a. Illustrate Review Guidelines. (5M)
b. Explain how to assess risk impact. (5M)
OR
- 20 a. Discuss about software risks in detail. (5M)
b. Explain Software Reliability in detail. (5M)

