



Regulation R18

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: 2P4FD

**B.Tech IV Semester Supplementary Examinations, June 2022**  
**Software Engineering**  
(Information Technology)

Maximum Marks: 70

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.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Define Software Engineering
- 2 What are framework activities?
- 3 Define data dictionary
- 4 Define Requirement in software engineering.
- 5 What are the Quality attributes in Design process
- 6 Define architectural design.
- 7 What is Black box Testing? Write short notes.
- 8 How software quality is measured?
- 9 What is Risk Management?
- 10 List out Review Guidelines in quality management.

Part-B

Answer All the following questions.

(10MX 5=50Marks)

- 11 Explain about Evolutionary process models with neat sketch. (10M)  
OR
- 12 Explain waterfall model and Incremental model with its merits and demerits. (10M)
- 13 Discuss all types of requirements in detail. (10m)  
OR
- 14 Explain in detail about Behavioral models with neat sketch. (10M)
- 15 Explain design concepts in detail. (10M)  
OR
- 16 a. Distinguish between cohesion and coupling. (5M)  
b. Define Architecture. Why architecture is so important. (5M)
- 17 a. Explain briefly about metrics for maintenance (5M)  
b. Explain Top-down integration in detail. (5M)  
OR
- 18 Explain Software Quality in detail (10M)
- 19 Explain RMMM and RMMM plan in detail. (10M)  
OR
- 20 Explain in detail about Formal Technical Reviews. (10M)