



R18 Regulation

Subject code: 2P4EE

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

B.Tech IV Semester Supplementary Examinations, July 2022
SOFTWARE ENGINEERING

(CSE)

Maximum Marks: 70

Date:30.07.2022 Duration: 3 hours

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Compare waterfall model and spiral model.
- 2 What is software engineering activity?
- 3 Explain the kinds of system requirements
- 4 Define context models.
- 5 What is the difference between cohesion and coupling?
- 6 What is Design?
- 7 What is integration testing.
- 8 Compare between alpha testing and beta testing.
- 9 Define the formulae for measures of reliability and availability
- 10 What are the types of software risks

Part-B

Answer All the following questions.

(10M X 5=50Marks)

- 11 a) Explain briefly about software crisis.
b) Explain process patterns.

[5+5]

OR

- 12 a) Explain spiral model with its merits and demerits.
b) Discuss different software myths and their consequences. [5+5]
- 13 Which model in system modelling depicts the static nature of the system? Explain in detail. [10]

OR

- 14 a) What are the characteristics of software requirement documentation (SRD)?
b) Explain about requirements validation. [5+5]
- 15 Write about Design Quality? [10]

OR

- 16 Describe mapping data flow into a software architecture [10]
- 17 Discuss black box testing in a detailed view [10]

OR

- 18 Demonstrate art of debugging. Demonstrate metrics for analysis model. [10]
- 19 Explain risk projection in detail. Explain seven principals of risk management. [10]

OR

- 20 Explain about the importance of test strategies for conventional software [10]