



Regulation R18 *Subject code:2P4FD*
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)
B.Tech IV Semester Supplementary Examinations, July 2022

Software Engineering
(Information Technology)

Maximum Marks: 70

Date:28.07.2022 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. List out types of software.
- 2 Define Legacy software.
- 3 Define structured methods.
- 4 What are user requirements? Explain briefly
- 5 What are design concepts? Define them
- 6 Define user interface.
- 7 Define software Quality. List out the important principles of software quality.
- 8 Define verification and validation.
- 9 What is Software Reviews? Write short notes on it.
- 10 Define Software Quality Assurance.

Part-B

Answer All the following questions.

(10MX 5=50Marks)

- 11 Explain COCOMO model in detail. (10M)
- OR
- 12 Illustrate CMMI model in detail. (10M)
- 13 a. Distinguish between functional and nonfunctional requirements. (5M)
b. Explain Feasibility studies in detail. (5M)
- OR
- 14 Explain Requirements Engineering process in detail. (10M)
- 15 a. What are architectural patterns? Explain briefly. (5M)
b. Explain about pattern based software design. (5M)
- OR
- 16 Explain Architectural styles in detail. (10M)
- 17 a. Discuss about Unit Testing in detail. (5M)
b. Explain about metrics for Analysis model briefly. (5M)
- OR
- 18 a. Distinguish between Black Box testing and White Box Testing. (5M)
b. Explain Art of Debugging in detail. (5M)
- 19 a. Explain software Quality Assurance. (5M)
b. Distinguish between Reactive Vs. Proactive risk strategies. (5M)
- OR
- 20 a. Discuss about Risk Avoidance briefly. (5M)
b. Explain in detail about Risk Identification. (5M)