



Regulation R18

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

Subject code: 2P6FB

B.Tech VI Semester Supplementary Examinations, June/July 2023

Object Oriented Analysis and Design (Information Technology)

Maximum Marks: 70

Date: 24.06.2023 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 which carries 10M.
 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 Why we build Model?
- 2 List the Principles of Modeling in UML?
- 3 Define Attribute with an example?
- 4 Write the steps for modeling primitive types?
- 5 Discuss about context?
- 6 Define link?
- 7 Write the Call Events?
- 8 Write about Transitions?
- 9 Define Pattern?
- 10 Write about Artifact?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Explain Structural Things and Behavioral Things. [10]
OR
- 12 Explain briefly about diagrams in the UML? [10]
- 13 Explain the steps the modeling the distribution of responsibilities in a system. [10]
OR
- 14 Explain about Terms and Concepts in advanced Relationships? [10]
- 15 a) Explain the steps to model the behavior of an element. [5]
b) With reference to class diagram write the steps to forward and reverse and engineer? [5]
OR
- 16 Explain the steps to model Forward and Reverse engineering in Use case diagram? [10]
- 17 Discuss the steps in modeling reactive objects in state chart diagram. [10]
OR
- 18 Enumerate the steps in modeling the lifetime of an object? [10]
- 19 Draw the following diagrams for the unified library application? [5+5]
a) Class diagram b) Use case diagram
OR
- 20 Explain the Mechanisms and Frameworks. [5+5]