



Regulation R18

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

Subject code: 2P6FB

B.Tech VI Semester Supplementary Examinations, January 2023

Object Oriented Analysis and Design

(IT)

Maximum Marks: 70

10-01-2023

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 List the Relationships in the UML?
- 2 Define Grouping things?
- 3 List the structural diagrams?
- 4 How to control the visibility of the elements owned by a package?
- 5 Explain messages in UML?
- 6 Discuss about Use cases and collaborations?
- 7 Differentiate Nodes and Components?
- 8 What are the common uses and properties of state chart diagram?
- 9 What is node? How to organize nodes in UML?
- 10 Discuss the significance of patterns?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 a) Design the architecture of UML?
b) Explain about Object Oriented Modeling? [5+5]
OR
- 12 Explain about Basic building blocks of UML? [10]
- 13 a) What is object diagram what are the common properties and uses of object diagrams?
b) With reference to object diagram enumerate the steps to modeling object structures? [5+5]
OR
- 14 Explain: a) Modeling structural relationships b) Modeling single inheritance [5+5]
- 15 Enumerate the steps to model the modeling flows of control by organization? [10]
OR
- 16 Explain: a) Modeling a workflow b) Modeling an operation. [5+5]
- 17 Enumerate the steps to modeling exceptions in events and signals? [10]
OR
- 18 Explain: a) States b) Transitions [5+5]
- 19 Enumerate the steps to model for the source code and Executable Release? [10]
OR
- 20 a) What is component diagram? with reference to component diagram enumerate the steps ton Forward and reverse engineering?
b) Draw component diagram for ATM bank system? [5+5]

