



R22 Regulation

Subject code:4P5GD

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Regular Examinations, December 2024

OBJECT ORIENTED ANALYSIS & DESIGN

(CSE(AI&ML))

Maximum Marks: 60

Date:08.01.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A		CO	Bloom Tx
All the following questions carry equal marks (10X1M=10 Marks)			
1.a)	Define Model. Why we build Model	1	1
b)	List out structural things	1	1
c)	Define classes	2	1
d)	Write about aggregation	2	2
e)	Define context.	3	2
f)	Write about local scope?	3	6
g)	Write Brief Call Events?	4	2
h)	Define Event Trigger.	4	1
i)	Define Pattern.	5	1
j)	Differentiate import interface and export interface.	5	4
Part-B			
Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
2	Explain the various relationships in UML. [10M]	1	2
OR			
3	Explain about a) Structural Things b) Behavioral Things [5+5]M	1	2
4	Explain about 17 stereotypes of dependency relationship. [10M]	2	2
OR			
5	Draw and explain the class diagram for an ATM bank system. [10M]	2	3
6	Explain types of requirements should not be documented in use Cases. [10M]	3	2
OR			
7	Discuss about interaction diagrams and e their contents and common properties. [10M]	3	6
8	Explain about different types of events and how to model exception, family of signals with an example. [10M]	4	2
OR			
9	Explain about states and sub states in state machines. [10M]	4	2
10	Enumerate the steps to Modeling the design patterns. [10M]	5	3
OR			
11	Explain the following a) Modeling a client server system b) Modeling a fully Distributed system. [5+5]M	5	2