R18 Regulation *Subject code: 2P6FB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Supplementary Examinations, July 2024

Object Oriented Analysis and Design

(IT)

Maximum Marks: 70 Date:22.07.2024 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)		CO	Bloom Tx
1	Explain about Annotational Thing?	1	L1
2	Define generalization with example?	1	L1
3	What is navigation with neat sketch?	2	L1
4	Define composition with neat sketch?	2	L1
5	Write common uses of Use case Diagrams?	3	L1
6	Distinguish between activity and action states in UML?	3	L1
7	Differentiate process and Thread?	4	L1
8	Explain about component and classes?	4	L1
9	Differentiate import interface and export interface?	5	L1
10	Define sterotypes that apply to components?	5	L1
	Part-B		
Answer All the following questions. (5X10M=50Marks)			
11	a) Explain about Principles of modeling? [5M] b) What are structural things? Explain briefly? [5M]	1	L2
	OR		
12	Explain briefly about [10M] a) Stereotypes b) Tagged values c) Constraints	1	L2
13	a) Enumerate the steps to model different levels of abstraction. [5M] b) Enumerate the steps to model the webs of Relationships [5M]	2	L2
	OR		
14	Explain about common modeling techniques in packages [10M]	2	L2
15	Explain about a) Swimlanes b) Object Flow [5M+5M]	3	L2
	OR		
16	Illustrate with example about Sequence diagram and collaboration diagram? [10M]	3	L2

17	Explain about Communication and synchronization with a suitable example? [10M]	4	L2
	OR		
18	Explain about common modeling techniques in Deployment? [10M]	4	L2
19	Explain the following a) Modeling a client server system [5M] b) Modeling a fully Distributed system [5M]	5	L2
	OR		
20	a) Enumerate the steps to model embedded system? [5M] b) Draw Deployment diagram for the ATM bank system? [5M]	5	L2