R20 Regulation *Subject code: 3P5FE*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, July 2024

OBJECT ORIENTED ANALYSIS AND DESIGN

(IT)

Maximum Marks: 70 Date:19.07.2024 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.
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 (10X2M=20 Marks)			
1	What are the four aims of modelling?	CO1	L1
2	List the adornments in the UML?	CO1	L2
3	Distinguish between interface and class.	CO2	L2
4	Discuss various uses of object diagram.	CO2	L1
5	Write the uses of interaction diagram.	CO3	L2
6	What is activity diagram?	CO3	L1
7	Give an example Collaboration diagram and explain.	CO4	L2
8	What is a deployment diagram?	CO4	L1
9	Define pattern with an example.	CO5	L1
10	Explain framework.	CO5	L2
	Part-B		
Answer All the following questions. (5X10M=50Marks)			
11	a. Explain about the common division mechanisms of UML in detail. b. Discuss the Software development life cycle with a neat diagram. [5+5]	CO1	L3
	OR		
12	Explain briefly about following terms: a) Stereotypes b) Tagged Values c) Constraints [3+3+4]	CO1	L2
13	What is a class diagram? What are the common properties and uses of class diagrams? [10]	CO2	L2
	OR		
14	a. Explain the steps to model vocabulary of a system. [5] b. Enumerate steps to model distribution of responsibilities in a system. [5]	CO2	L4
15	Explain about forking and joining concepts in activity diagram with an example. [10]	CO3	L3
	OR		

16	Draw swim lane flowchart for financial accounting template and customize it to show your processes and procedures. [10]	CO3	L5
17	a. What are components? Show the stereotypes that apply to components. [5] b. Explain about Deployment diagram with an example. [5]	CO4	L3
	OR		
18	Explain the forward engineering tool and reverse engineering tool for a sample code with respect to the state chart diagram. [10]	CO4	L3
19	Describe artifact Diagrams in detail. [10]	CO5	L5
	OR		
20	Explain the following: [5+5] a) Patterns and architecture b) Modelling an executable release.	CO5	L4