



R20 Regulation

Subject code:3P5FE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, December 2024

OBJECT ORIENTED ANALYSIS AND DESIGN (IT)

Maximum Marks: 70

Date:23.12.2024

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	Define the UML?	1	L1
2	Classify structural things?	1	L1
3	What are adornments in uml?	2	L1
4	Write the steps for modeling primitive types?	2	L1
5	Discuss about aggregation?	3	L1
6	Define link?	3	L1
7	Differentiate Nodes and Components?	4	L1
8	What are the common uses and properties of state chart diagram?	4	L1
9	What is node?	5	L1
10	Discuss about Artifact?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Explain briefly about Relationships that apply consistent throughout the language? [5M] B) Explain about Rules in conceptual modeling? [5M]	1	L2
OR			
12	Explain about A) Common divisions. [5M] B) Extensibility Mechanisms. [5M]	1	L2
13	A) Enumerate the steps to model the non-primitive types? [5M] B) Enumerate the steps the modeling the distribution of responsibilities in a system. [5M]	2	L2
OR			
14	Explain about Terms and Concepts in Relationships? [10M]	2	L2
15	A) Enumerate the steps to model the modeling flows of control by Time ordering? [5M] B) Enumerate the steps to model the modeling flows of control by organization? [5M]	3	L2

	OR		
16	Explain about A) Modeling a workflow [5M] B) Modeling an operation [5M]	3	L2
17	Explain about common modeling techniques in process and threads. [10M]	4	L2
	OR		
18	A) Enumerate the steps to model the modeling multiple flows of control? [5M] B) Enumerate the steps to model the modeling interprocess communication? [5M]	4	L2
19	Enumerate the steps to model for the source code and Executable Release? [10M]	5	L2
	OR		
20	A) What is component diagram? With reference to component diagram enumerate the steps to Forward and reverse engineering? [5M] B) Draw class diagram for ATM bank system? [5M]	5	L2