



R20 Regulation

Subject code:3P5FE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, May 2025

**OBJECT ORIENTED ANALYSIS AND DESIGN
(IT)**

Maximum Marks: 70

Date: 17.06.2025

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

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	Write about Annotational Thing?	2M	1	L1
2	Define generalization with example.	2M	1	L1
3	Write owned elements in packages?	2M	2	L1
4	Define composition with neat sketch.	2M	2	L1
5	Write about Use cases and Flow of Events?	2M	3	L1
6	Write about Sequencing?	2M	3	L1
7	Define Call Events.	2M	4	L1
8	Define Transitions.	2M	4	L1
9	Define simple name and path name in component with neat sketch.	2M	5	L1
10	What is an artifact?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	Explain about a) Structural Things b) Behavioral Things	5M 5M	1	L2
OR				
12	Illustrate briefly about a) Stereotypes b) Tagged values c) Constraints	3M 4M 3M	1	L2
13	Explain about Terms and Concepts in Relationships.	10M	2	L2
OR				
14	Sketch different common modeling techniques in object diagram.	10M	2	L2
15	Enumerate the steps to model the modeling flows of control by organization.	10M	3	L2
OR				
16	Discuss in detail briefly a) Transitions b) Branching c) Forking and Joining	3M 4M 3M	3	L2
17	Explain about Communication and synchronization with a suitable example.	10M	4	L2

	OR			
18	Enumerate the steps in modeling the lifetime of an object.	10M	4	L2
19	Draw the following diagrams for the unified library application? a)Class diagram b)Use case diagram	5M 5M	5	L2
	OR			
20	List the following in brief: a) Mechanisms b) Frameworks	5M 5M	5	L2