



Regulation R20

Subject code:3P5FE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech V Semester Supplementary Examinations, June/July 2023

OBJECT ORIENTED ANALYSIS AND DESIGN
(INFORMATION TECHNOLOGY)

Maximum Marks: 70

Date:23.06.2023 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)

- 1 Define generalization with example?
- 2 Explain about Behavioral Things?
- 3 Discuss owned elements in packages?
- 4 Explain about Multiplicity?
- 5 Write common uses of Use case Diagrams?
- 6 Distinguish between activity and action states in UML?
- 7 What are the different kinds of components?
- 8 What do you mean by Deployment diagram?
- 9 Differentiate import interface and export interface?
- 10 Define stereotype with example

Part-B

Answer All the following questions.

(10MX 5=50Marks)

- 11 a) What are structural things? Explain briefly? [5]
b) Explain about Principles of modeling. [5]
- OR
- 12 Explain briefly about [3+3+4]
a) Stereotypes b) Tagged values c) Constraints
- 13 Explain about Terms and Concepts in Relationships. [10]
- OR
- 14 Explain about common modeling techniques in classes. [10]
- 15 Explain about a) Swimlanes b) Fork and Join [5+5]
- OR
- 16 Illustrate with example about Sequence diagram and collaboration diagram. [10]
- 17 Explain about common modeling techniques in Events and signals. [10]
- OR
- 18 Explain about common modeling techniques in Deployment. [10]

- 19 Explain the following [5+5]
a) Modeling a client server system
b) Modeling a fully Distributed system

OR

- 20 a) What is Deployment diagram? With reference to deployment diagram enumerate the steps to model to Reverse engineering? [5]
b) Draw a diagram that shows set of nodes and their relations for library management system? [5]