R20 Regulation *Subject code: 3P5EA*

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

(Computer Science & Engineering)

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 What is the main advantage of Object Oriented Analysis and Design?
2 Define UML.
3 Define Interface.
4 List the relationship used in class diagram.
5 Define use case.
6 What is an UML Activity Diagram?
7 Define events, states and transitions?
8 What are the basic elements of deployment diagrams?
9 What are patterns?
10 What are the guidelines that are followed in activity modeling?

Part-B

Answer All the following questions. (10MX 5=50Marks)

11 Explain about conceptual model of UML. [10m]

OR

12 Explain about software development life cycle. [10m]
13 Define UML class diagram. Explain the features of a class diagram using common class diagram notation. [10m]

OR

14 Explain Package diagram with an example. [10m]
15 Explain interaction diagrams with an example. [10m]

OR

16 Draw use case diagram and activity diagram for ATM system. [10m]
17 Write in brief about Component and Deployment diagrams with an examples. [10m]

OR

18 Explain state chart diagram with an example. [10m]
19 Explain library application with diagrams. [10m]

OR

20 Explain about frame works in detail. [10m]