



TKRCEET
Pondicherry
Innovation in Character, Interest in Excellence

R20 Regulation

Subject code:3P3HA

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech III Semester Supplementary Examinations, April 2025

INTRODUCTION TO OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES

15	a) Write a program with nested try statements for handling exception. b) How to create a user defined exception.	5M 5M	3	L2
	OR			
16	a) What is recursion? Explain the applications of Recursion. b) Give a recursive code fragment for Linear Search.	5M 5M	3	L2
17	a) Write a JAVA program to sort the elements using Bubble Sort, b) Construct Bubble Sort for the initial key set 42, 23, 74, 11, 65, 58, 94, 36, 99, 87.	5M 5M	4	L2
	OR			
18	Explain the operations of doubly linked lists.	10M	4	L2
19	Explain the implementation of the ArrayList (bounded capacity) with Code Fragment.	10M	5	L2
	OR			
20	What is Java Collections Framework? List out some benefits of Collections framework and explain.	10M	5	L2