



R20 Regulation

Subject code:3P4EF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, December 2025

OBJECT ORIENTED PROGRAMMING THROUGH JAVA (CSE)

Maximum Marks: 70

Date: 30.12.2025

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	What is abstract class?	2M	1	L1
2	State the features of object oriented programming.	2M	1	L1
3	How to create and access a package?	2M	2	L1
4	What is an interface?	2M	2	L1
5	What is multitasking?	2M	3	L1
6	What is synchronizing threads?	2M	3	L1
7	Define set interface.	2M	4	L1
8	Differentiate between Comparable and Comparator.	2M	4	L1
9	List methods of key Listener interface.	2M	5	L1
10	What is an Event?	2M	5	L1

Part-B

Answer All the following questions.

(5X10M=50Marks)

		Marks	CO	BTL
11	Write uses of Super keyword, and discuss accessing the member of a super class?	10M	1	L2
	OR			
12	Explain about Arrays and example.	10M	1	L2
13	Discuss about various access protection of a package with example.	10M	2	L2
	OR			
14	Discuss about the FileInputStream and FileOutputStream in java with examples.	10M	2	L2
15	Write a java program to implement nested try statements.	10M	3	L2
	OR			
16	What are the different ways that are possible to create multiple threaded programs in Java? Discuss the differences between them.	10M	3	L2

17	Write a java program to demonstrate ArrayList class methods?	10M	4	L2
	OR			
18	Write a java code to explain any 6 methods of MAP interface in java.util package?	10M	4	L2
19	Mention and explain any four event handling methods for Mouse Event.	10M	5	L2
	OR			
20	Write a detailed note on MVC architecture. Discuss its advantages and disadvantages.	10M	5	L2