R22 Regulation *Subject code:4O6DB*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech VI Semester Regular/Supplementary Examinations, April 2026

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(ECE)

Maximum Marks: 60 Date: 23.04.2026 Duration: 3 hours

Note: **1.This question paper contains two parts A and B.**
2. Part A is compulsory which carries 10 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 (10X1M=10 Marks)		Marks	CO	Bloom Tx
1.a)	What is a method in Java?	1M	CO1	L1
b)	What is a Java variable?	1M	CO1	L1
c)	What is CLASSPATH?	1M	CO2	L1
d)	Define interface in Java.	1M	CO2	L1
e)	Which keyword is used to generate an exception explicitly?	1M	CO3	L1
f)	Differentiate between process-based multitasking and thread-based multitasking.	1M	CO3	L2
g)	Define Collection Framework.	1M	CO4	L1
h)	What is an Iterator?	1M	CO4	L1
i)	Name a layout manager used to arrange components in rows.	1M	CO5	L1
j)	Differentiate between event source and event listener.	1M	CO5	L2

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	Bloom Tx
2	Explain the basic concepts of object-oriented programming with examples.	10M	CO1	L2
	OR			
3	Explain the history and features of Java (Java buzzwords).	10M	CO1	L2
4	Write a Java program demonstrating interface implementation.	10M	CO2	L1
	OR			
5	Explain Java I/O stream classes and their types.	10M	CO2	L2
6	Explain the fundamentals of exception handling in Java.	10M	CO3	L2
	OR			
7	Write a Java program using try, catch, and finally blocks.	10M	CO3	L1
8	Explain the collection interfaces and their hierarchy.	10M	CO4	L2
	OR			

9	Explain about ArrayList with example.	10M	CO4	L1
10	Explain the Delegation Event Model with a diagram.	10M	CO5	L2
	OR			
11	Explain about handle mouse events with syntaxes.	10M	CO5	L2