



R20 Regulation *Subject code:3P4EF*
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech IV Semester Supplementary Examinations, July 2024

**OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(CSE)**

Maximum Marks: 70

Date:31.07.2024 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)		CO	Bloom Tx
1	List the advantages and disadvantages of arrays.	1	L1
2	State the features of object-oriented programming.	1	L1
3	What is CLASSPATH?	2	L1
4	What is a package?	2	L1
5	Differentiate between throws and throw keywords.	3	L1
6	Define thread.	3	L1
7	What is Priority Queue?	4	L1
8	What are the Comparators?	4	L1
9	What is Adapter class?	5	L1
10	What is AWT?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)			
11	What is Inheritance? Explain different types of inheritance supported by java with example. (10M)	1	L2
OR			
12	Explain different java Buzzwords. (10M)	1	L2
13	Discuss about the File Input Stream and File Output Stream in java with examples. (10M)	2	L2
OR			
14	What is package? What are the benefits of package? Explain Java API packages. (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	L3

17	Discuss the differences between HashList and HashMap, Set and List. (10M)	4	L3
	OR		
18	What is the significance of Layout managers? Discuss briefly various layout managers. (10M)	4	L3
19	Discuss about one modern mechanism to handle events. . (10M)	5	L2
	OR		
20	Write a detailed note on MVC architecture. Discuss its advantages and disadvantages. (10M)	5	L3