



R18 Regulation

Subject code: 2P3ED

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous, Accredited by NAAC with 'A' Grade)

**B.Tech III Semester Supplementary Examinations, July 2022**  
**OBJECT ORIENTED PROGRAMMING**

(CSE)

Maximum Marks: 70

Date:27.07.2022 Duration: 3 hours

PART-A

Answer all of the following questions

(10 X 2M = 20 Marks)

- 1 Differentiate between print() and println() methods in Java.
- 2 What are different types of access modifiers
- 3 Explain the usage of Java packages.
- 4 What are interface and its use?
- 5 Differentiate between throws and throw keywords?
- 6 What is a deadlock?
- 7 Define Set interface
- 8 Differentiate between Comparable and Comparator?
- 9 List methods of key Listener interface.
- 10 What is an Event?

PART-B

Answer Any FIVE of the following questions.

(10M X 5 = 50Marks)

- 11 A. What is Inheritance? Explain different types of inheritance supported by java with example?  
B. Write a Java program to check whether a given number is palindrome or not? [5+5]

OR

- 12 Describe the structure of a typical Java program with an example. [10]
- 13 Explain Reading Console Input and Writing Console Output with example. [10]

OR

- 14 Write an interface called shape with necessary methods. Derive classes circle, rectangle, triangle, sphere and cube with appropriate constructors and methods for finding area, volume. [10]

15 What are the different ways to handle exceptions? Explain with examples. [10]

OR

16 What are the different ways that are possible to create multiple threaded programs in java? Discuss the differences between them. [10]

17 Explain the Bit Set and Calendar classes in detail. [10]

OR

18 a) Differentiate between Array List and a Vector?

b) Write short note on Sting Tokenizer with an example. [5+5]

19 Write a java program to explain frames in an AWT? [10]

OR

20 a) What is an Event? Explain the role of Event handler in AWT? [5]

b) Explain following components. [5]

1)Button      2) Label      3) TextField