



R18 Regulation

Subject code: 205DF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech V Semester Supplementary Examinations, January 2023

OOPS THROUGH JAVA

(ECE)

20-01-2023

Maximum Marks: 70

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.

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)

- 1 What is Object Oriented Programming?
- 2 What is abstract class?
- 3 Write about packages in java?
- 4 Explain about nested interfaces?
- 5 State the purpose of keyword "throws".
- 6 Explain about thread priorities?
- 7 Difference between Array and ArrayList?
- 8 Discuss about Iterator?
- 9 List the types of layout available in java?
- 10 List the types of Delegation Event models in java?

Part-B

Answer All the following questions.

(10X5M=50 Marks)

- 11 Write a Java program to check whether a given number is palindrome or not? [10]
OR
- 12 What is Inheritance? Explain different types of inheritance supported by java with example? [10]
- 13 a) How to extend one interface by the other interface? Explain with an example.
b) What is the major difference between an interface and class? [7+3]
OR
- 14 What are Stream classes? Explain different types of Stream classes. [10]
- 15 a) Illustrate different types of Built in Exceptions in java?
b) Write a java program to create own exceptions. [5+5]
OR
- 16 Write about inter thread communication in java with an example. [10]
- 17 What is Java Collections Framework? List out some benefits of Collections framework and explain. [10]
OR
- 18 Discuss the differences between HashList and HashMap, Set and List. [10]
- 19 Write a detailed note on MVC architecture. Discuss its advantages and disadvantages. [10]
OR
- 20 Discuss in detail the limitations of AWT. [10]

