



**R17 Regulation**  
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous, Accredited by NAAC with 'A' Grade)

**Subject code: 1P3FE**

**B.Tech II Year I Semester Supplementary Examinations, July 2022**  
**OBJECT ORIENTED PROGRAMMING THROUGH JAVA**

**IT**

**Maximum Marks: 70**

Date: 29-07-2022

**Duration: 3 hours**

**Part-A**

All the following questions carry equal marks

- 1 Define inheritance and encapsulation.
- 2 Define Constructor.
- 3 Define Package and interfaces.
- 4 Define enumeration.
- 5 Define Exception types.
- 6 Write the usage of try and catch.
- 7 Define Collections.
- 8 Define linked list with Syntax.
- 9 Define JButton, JCheckbox, JRadioButton.
- 10 Define Components and containers

(10x2M=20 Marks)

**Part-B**

Answer All the following questions.

- 11 Explain in detail about object-oriented programming and java Buzzwords. [10] (10M X 5=50Marks)
- 12 Explain: i) Abstract classes with an example OR ii) Method Overloading with an example. [5+5]
- 13 Write in detail about Creating and importing packages with an example. [10]
- 14 Discuss in detail about Autoboxing? [10] OR
- 15 Write about try, catch, finally in detail with examples. [10]
- 16 Explain in detail about Synchronized methods, Synchronized blocks with an examples. [10] OR
- 17 Describe about date, Calendar, Random with an examples? [10]
- 18 Explain java collection framework in detail with an example. [10] OR
- 19 Explain in detail about Hierarchy for Swing. [10]
- 20 Explain: i) Hierarchy for AWT with an example OR ii) Layout management [5+5]