



Regulation R18

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

Subject code:2P3FD

B.Tech III Semester Supplementary Examinations, July 2022

OBJECT ORIENTED PROGRAMMING

(INFORMATION TECHNOLOGY)

Maximum Marks: 70

Date:27.07.2022 Duration:3hours

Part-A

Answer all the following questions

(10x2M=20 Marks)

- 1 Define Encapsulation.
- 2 What are OOPs concepts?
- 3 Define Byte Streams
- 4 What are interface and its use?
- 5 Write syntax for catch() block.
- 6 Differentiate between multiprocessing and multithreading
- 7 Define collection.
- 8 Define enumeration with syntax.
- 9 What is an event?
- 10 Distinguish between applet and application

Part-B

Answer all the questions.

(5X10M=50Marks)

- 11 a) Define data abstraction. Explain abstract classes and abstract methods with a program.
b) Explain method overriding with program. [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 area, volume. [10]
- 15 What are the different ways to handle exceptions? Explain with examples. [10]
- OR
- 16 Discuss the need of thread synchronization. How is it achieved in Java programming? Explain with a suitable program. [10]
- 17 Write a java program to demonstrate ArrayList class methods [10]
- OR
- 18 a) Differentiate between ArrayList and a Vector
b) Write short note on StingTokenizer with an example. [5+5]
- 19 a) Explain in brief about Events, Event sources and Event classes.
b) Discuss in detail about BorderLayout with an example. [5+5]
- OR
- 20 a) Develop a java program for simple applet.
b) Compare and Contrast differences between applets and applications. [5+5]