



B.Tech III Semester Supplementary Examinations, July 2024

**Object Oriented Programming
(Common to CSE & IT)**

Maximum Marks: 70

Date:25.07.2024 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	Define the break and continue statements.		1	L1
2	What is a Constructor?		1	L1
3	How to create and access a package?		2	L1
4	Differentiate between abstract class and interface.		2	L1
5	Write syntax for catch() block.		3	L1
6	Differentiate between multiprocessing and multithreading?		3	L1
7	Define collection.		4	L1
8	What is iterator?		4	L1
9	Define listener class.		5	L1
10	List any two methods of Frame.		5	L1

Part-B

Answer All the following questions.		(5X10M=50Marks)		
11	a) Explain different parts of a Java program with an appropriate example. [5M] b) How do we implement polymorphism in JAVA? Explain briefly. [5M]		1	L2
OR				
12	a) What is an array? How do you declare the array in java? Give example. [5M] b) Explain the data types available in Java. [5M]		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 any Java package. [10M]		2	L2
15	What are the different ways to handle exceptions? Explain with examples. [10M]		3	L2
OR				

16	Write with an example how java performs thread synchronization. [10M]	3	L2
17	a) What is Java Collections Framework? List out some benefits of Collections framework and explain. [5M] b) Write short note on Date and Calendar classes. [5M]	4	L2
	OR		
18	a) Differentiate between Array List and a Vector? [5M] b) Write short note on Sting Tokenizer with an example. [5M]	4	L2
19	Explain about the components and containers of AWT. [10M]	5	L2
	OR		
20	a) Explain any five methods used in container class? [5M] b) Write a java program to explain the concept of Label and Text Field controls in AWT? [5M]	5	L2