Reg. No ………………………..

Name: ……………………….

IV Semester Integrated M. Sc. Degree (Regular) Examinations, January 2023
(2020 Admission Onwards)
COMPUTER SCIENCE
4B12ICSC: Lab 4: Object Oriented Programming using Java

Time: 3 Hours   Max. Marks: 20

PART - A

Answer **any one** of the marked (✔) questions.

1. Write a Java program to show method overloading.

2. Write a Java program to show the implementation of inheritance.

3. Write Java Program to show method overriding. (Exercise to understand Polymorphism)

4. Write a java program to implement interface.

5. Write a java program that handles various exceptions. Use try, catch and finally statements.

6. Write a Java program to display all records from a table using Java Database Connectivity (JDBC).

PART - B

Answer **any one** of the marked (✔) questions.

7. Write a java program to demonstrate threads using runnable interface

8. Write a java program that creates three threads. First thread displays "Good Morning" every one second, the second thread displays "Hello" every two seconds and the third thread displays "Welcome" every three seconds.

9. Write a program to show an implementation of Packages.

10. Write a java program to implement abstract classes.

11. Write a Java program using Java Swing to create a simple calculator. Arrange Buttons for digits and the + - * % operations properly. Add a text field to display the result. Handle any possible exceptions like divide by zero.

12. Write a program that demonstrates generics.

Mark Distribution

Component	Part A	Part B
Code Writing	3	3
Output	3	3
Modification for Part A or Part B	3	
Record	2	
Viva	3	
Total Marks	**20**	