

ANURAG Engineering College

(An Autonomous Institution)

II B.Tech II Semester Regular Examinations, June/July – 2024**OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)****Time: 3 Hours****Max.Marks:60****Section – A (Short Answer type questions)****(10 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. Why is Java not a pure object oriented language?	CO1	L1	1M
2. How to declare variable in java?	CO1	L2	1M
3. List down the uses of final classes.	CO2	L1	1M
4. Tell how interfaces can be extended.	CO2	L2	1M
5. What are the various segments of an exception handling mechanism	CO3	L1	1M
6. What happens if an exception is not provided by the user?	CO3	L1	1M
7. What are the various controls supported by AWT?	CO4	L1	1M
8. Which containers use a border layout as their default layout?	CO4	L1	1M
9. State the order of execution of applet methods.	CO5	L1	1M
10. How will you create a TextArea object.	CO5	L2	1M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Explain method overriding with a suitable example program. How do you ensure that a particular method cannot be overridden	CO1	L2	10M
OR			
B) Develop a java program to read a number and check if the number is positive or zero or a negative, use if-else-if structure and print the suitable output.	CO1	L3	10M
12. A) What is inheritance? What are the benefits of inheritance? Explain the various forms of inheritance with suitable code segments	CO2	L2	10M
OR			
B) Discuss about access specifier's private, public default and protected.	CO2	L2	10M
13. A) Describe the keywords that are essential in handling user-defined exceptions	CO3	L2	10M
OR			
B) Write a program to illustrate the use of multiple catch blocks for a try block.	CO3	L3	10M
14. A) How to handle events? Discuss the relationship between event sources and listeners	CO4	L3	10M
OR			
B) Explain the following components of AWT with suitable example programs. i) Text Field ii) Choice	CO4	L2	10M
15. A) Write a program to demonstrate how to run a simple Applet in Java	CO5	L3	10M
OR			
B) Discuss various states in the life cycle of an applet in detail.	CO5	L2	10M