

ANURAG Engineering College
(An Autonomous Institution)

II B.Tech II Semester Supplementary Examinations, December – 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 a platform independent language?	CO1	L1	1M
2. What is variable scope in Java?	CO1	L1	1M
3. Infer how to access interface variables	CO2	L2	1M
4. What will be the effect if an abstract class is private	CO2	L1	1M
5. Can an exception be rethrown? How?	CO3	L2	1M
6. List the types of methods used for thread communications	CO3	L1	1M
7. What class is the top of the AWT event hierarchy?	CO4	L1	1M
8. How will you create an object of an item event?	CO4	L2	1M
9. How will you create a TextField object?	CO5	L2	1M
10. Which event is generated during checkbox operations?	CO5	L1	1M

Section B (Essay Questions)

Answer all questions, each question carries equal marks.

(5 x 10M = 50M)

11. A) Does Java support automatic type conversion? Justify your answer with appropriate examples.	CO1	L3	10M
OR			
B) Develop a Java program that reads five integers and to print the count of negative numbers, positive numbers and zero's inputted.	CO1	L3	10M
12. A) How to define a package? How to access, import a package? Explain with examples.	CO2	L3	10M
OR			
B) What is an interface? Give the general form of an interface and also discuss the implementation details of interfaces	CO2	L2	10M
13. A) What is an exception? How are exceptions handled in Java programming?	CO3	L3	10M
OR			
B) Describe the need of thread synchronization. How is it achieved in Java programming? Explain with a suitable program.	CO3	L2	10M
14. A) Explain the following AWT user components with their syntax and constructors i) Text components ii) Check boxes iii) Choices	CO4	L2	10M
OR			
B) What is an event? Explain the event delegation model	CO4	L2	10M
15. A) Write a java program for simple applet named HelloWorldApplet.java that prints "Hello World" and to invoke the applet	CO5	L3	10M
OR			
B) Examine the following swing components in detail i) J Frame ii) J Button iii) Scroll Panes	CO5	L3	10M

