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**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur  
(GIET University)**



B.C.A. (Third Semester – Regular & Supplementary) Examinations, November – 2025  
**BCA23302 –Object Oriented Programming with JAVA**

Time: 3 hrs

Maximum: 60 Marks

**(The figures in the right hand margin indicate marks)**

**PART – A****(2 x 5 = 10 Marks)**

Q.1. Answer <i>ALL</i> questions	CO #	Blooms Level
a. Difference between object oriented programming and procedure oriented programming.	CO1	K2
b. Difference between while and do while loop.	CO2	K2
c. Define package in JAVA	CO3	K2
d. Define Exception in JAVA.	CO4	K3
e. What are applet in JAVA?	CO5	K2

**PART – B****(10 x5=50 Marks)**Answer *ALL* questions

	Marks	CO #	Blooms Level
2. a. Difference between C and C++.	5	CO1	K2
b. Explain features of object oriented programming in JAVA	5	CO1	K2
(OR)			
c. Explain the programming structure in java with example.	5	CO1	K3
d. Write a JAVA program to calculate the area and perimeter of circle and rectangle.	5	CO1	K1
3.a. Explain different types of loops with example.	5	CO2	K2
b. Write a JAVA program that displays the sum of n odd natural numbers	5	CO2	K1
(OR)			
c. Write a JAVA program that takes a number from the user and generates an integer between 1 and 7. It displays the weekday name.	5	CO2	K1
d. Difference between switch and if-else-if ladder.	5	CO2	K3
4.a. Define class and object. Explain how an object is created from a class with example.	5	CO3	K2
b. Difference between method overloading and method overriding.	5	CO3	K2
(OR)			
c. Explain inheritance with example.	5	CO3	K
d. Explain this keyword with example.	5	CO3	K3
5.a. Explain different string handling functions with examples.	5	CO4	K3
b. What is the difference between abstract class and interface in java?	5	CO4	K2
(OR)			
c. Explain throw and throws with example.	5	CO4	K2
d. Explain string buffer class with example.	5	CO4	K2
6.a. How to create a thread explain with example.	5	CO5	K3
b. Explain applet life cycle with neat diagram.	5	CO5	K3
(OR)			
c. What are the thread priorities? Explain.	5	CO5	K2
d. Explain how we can Build an Applet Code.	5	CO5	K2

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