

--	--	--	--	--	--	--	--	--	--	--



GIET UNIVERSITY, GUNUPUR – 765022

B. Tech (Third Semester) Examinations, December – 2023

21BCSES23001 / 22BCSES23001– Object Oriented Programming using JAVA

(AGE,Chemical,ECE,EE,EEE,Civil,Biotechnology)

Time: 3 hrs

Maximum: 70 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. Describe the purpose of the public static void main (String[] args) method in Java?	CO1	K2
b. List the difference between constructor and general method.	CO2	K1
c. Define auto-boxing and un-boxing.	CO1	K1
d. Explain the purpose of exists(), createNewFile() methods.	CO2	K3
e. Draw the hierarchy of Applet.	CO1	K1

PART – B

(15 x 4 = 60 Marks)

<u>Answer <i>ALL</i> questions</u>	Marks	CO #	Blooms Level
2. a. List out the differences between Procedure Oriented Programming and Object Oriented Programming.	7	CO2	K3
b. Demonstrate a Java program to print “Even numbers” from 100 to 200 using for loop, while loop, and do-while loop.	8	CO3	K3
(OR)			
c. Explain the architecture of JVM with a neat diagram.	7	CO3	K4
d. Differentiate between the Scanner class and Buffered Reader class in Java with a suitable example for each.	8	CO1	K2
3.a. Explain method overloading with an example.	7	CO3	K4
b. Justify how to define a user-defined exception with an example.	8	CO4	K4
(OR)			
c. How to handle an exception with try-catch-finally with an example.	7	CO2	K3
d. State the use of the final keyword for a variable, method, and class with a suitable example.	8	CO3	K2
4.a. Justify how to make a child thread as a daemon thread with an example.	7	CO4	K4
b. Implement a Java program to copy the content of abc.txt to xyz.txt by using BufferedReader and BufferedWriter classes.	8	CO3	K2
(OR)			
c. Describe the regular inner class with an example.	7	CO2	K2
d. Explain the join() of Thread class with an example.	8	CO3	K4

- | | | | | |
|------|--|---|-----|----|
| 5.a. | Explain the life cycle of the applet with a neat diagram. | 7 | CO3 | K3 |
| b. | Displaying a Button, text field, and Label on the Frame by using AWT and display “GIET UNIVERSITY” while click the Button. | 8 | CO4 | K4 |
| (OR) | | | | |
| c. | Implement an applet program to display “GIET UNIVERSITY”. | 7 | CO3 | K3 |
| d. | Implement the methods of key listener interface(keyPressed(),keyReleased(), and keyTyped()) to display the corresponding message in the TextField. | 8 | CO3 | K3 |

--- End of Paper ---