

Reg. No:

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

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year II Semester Supplementary Examinations February 2022

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(Common to CSE & CSIT)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Define a Byte Code? Give the different states of Java Program execution? 6M
b Describe a Java program to use Bit-wise operators 6M

OR

- 2 With an example Explain about the Iteration Statement 12M

UNIT-II

- 3 a What are the varargs in java? Write the syntax and develop any program. 6M
b What is Inheritance? Explain types of inheritances 6M

OR

- 4 What is an abstract class? Explain all the cases to implement abstract class 12M

UNIT-III

- 5 What is an Exception? Explain different types of Exception? 12M

OR

- 6 a What is synchronization? How many types? Explain 6M
b Justify with an example java program to implement inter thread communication. 6M

UNIT-IV

- 7 Write short notes on collection frameworks of java. 12M

OR

- 8 a Write a java Program to read a text file and print the number of unique words. 8M
b Explain File operations in java? 4M

UNIT-V

- 9 Write a java Program to implement an AWT based calculator with basic operations 12M

OR

- 10 a Explain java date and Time with an example 8M
b Illustrate the operations on Streams 4M

*** END ***