Student Name: Printed Pages: 1

University Roll No.:

School of Engineering

Second Theory Sessional Examination, E[illegible] Semester (AS: 2024-25)

B. Tech: CSE

Year: III **Semester: VI**

Course Title: Core and Advance Java	**Max Marks: 30**
Course Code: BCS3601	**Time: 1hrs**

Instructions: *1-Read the question paper carefully.*

2-All questions are compulsory

SECTION 'A' **Q.N.1. Attempt all parts of the following:**	**Course Objective**	**Marks**
a) What is a class and an object in Java?	CO1	1
b) What is exception handling?	CO2	1
c) What do you understand by Thread?	CO2	1
d) What is Multi-Level Inheritance?	CO3	1
e) Write the syntax of importing the package.	CO4	1
SECTION 'B' **Q.N.2. Attempt any two parts of the following:**	**Course Objective**	**Marks**
a) Describe the Life Cycle of an Applet.	CO4	7.5
b) Write about the Input Stream and Output Stream.	CO3	7.5
c) Explain Multithreading in Java. How can you create and manage threads?	CO2	7.5
SECTION 'C' **Q.N.3. Attempt any one parts of the following:**	**Course Objective**	**Marks**
a) Write the difference between Abstract Class and Interface	CO1	10
b) Explain the life cycle of a thread in Java with a suitable program.	CO2	10
c) Write about Packages. Explain the importance of Packages.	CO3	10

Table 1: Mapping between COs and questions

COs	Questions Number	Total Marks
CO1	Q1 a),Q3 a)	11
CO2	Q2 b),c), Q2 c),Q3 [illegible]	19.5
CO3	Q1 d),Q2 b),Q3 c)	18.5
CO4	Q1 e),Q2 a)	8.5