



**SILVER OAK
UNIVERSITY**
EDUCATION TO INNOVATION

School of Technology, Design and Computer Application
Silver Oak Institute of Technology
Bachelor of Technology
Information Technology

Semester:	4	Academic Year:	2024-25
Course Name:	Object-Oriented Programming with UML	Course Code:	1010043231

Question Bank

Sr. No.	Question Text	Marks	CO
Unit No. 1 Introduction to java and Basic programming, Control Structure, Array and String			
1	Explain features of JAVA.	3	CO1
2	Explain the characteristics of JAVA.	4	CO1
3	Explain JDK, JVM & JRE.	4	CO1
4	Explain the statement “public static void main(String args[])”	4	CO1
5	What is a variable? How can we define variables in Java? Also list rules for valid variable names	4	CO1
6	Explain different types of operators(augmented assignment, increment and decrement, and logical operators)	8	CO1
7	Define Operator precedence and associativity.	8	CO1
8	Explain type casting with an example.	4	CO1
9	Explain For each loop with an example.	3	CO1
10	Explain the break and continue with an example.	4	CO1
11	Write a program to take input from user student percent and generate grade(Distinction, First class, Second class, Fail) using if else ladders.	8	CO1
12	Explain the switch case with an example.	4	CO1
13	Difference between while and do...while with example.	4	CO1



14	Compare String with StringBuffer class.	4	CO1
15	What is a Wrapper class in Java? Explain with an example	4	CO1
16	Write a program that creates five integer element arrays. Calculate and display the average of its value using the command line argument.	8	CO1
17	Write a program to do matrix multiplication using a multidimensional array.	8	CO1
Unit No. 3 Exception Handling and Multithreading			
18	What is error? Explain various types of errors. How can we handle run time errors in java?	3	CO3
19	Enlist and explain the difference between error and exception. Write a program to handle InterruptedException, IllegalArgumentException using try-catch-finally and throw.	8	CO3
20	Explain any 5 Built-in Exceptions in Java with proper examples.	8	CO3
21	Show the use of finally statements with examples.	8	CO3
22	Explain Throwable class in detail.	4	CO3
23	Explain try, catch, throw, throws and finally with example.	4	CO3

Course Coordinator

Head of Department