

GUJARAT TECHNOLOGICAL UNIVERSITY**B.VOC - SEMESTER- II EXAMINATION – SUMMER 2024****Subject Code: 1120503****Date:29-05-2024****Subject Name: OOPs with Java****Time:10:30 AM TO 12:30 PM****Total Marks:50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

Q.1	(a)	What is OOP? Explain Concept of OOP	05
	(b)	What is Data Types? List out and explain any three Data Type.	05
Q.2	(a)	List out Operators in Java and explain any two Operators with example.	05
	(b)	Write a java program to remove duplicate element in an array.	05
		OR	
	(b)	What is Inheritance? Explain with example.	05
Q.3	(a)	What is array? Explain two-dimensional array with example.	05
	(b)	What is package? Explain package with example.	05
		OR	
Q.3	(a)	What is looping statements? List out and give example of any one looping statement.	05
	(b)	Give the difference between methods overloading and method overriding.	05
Q.4	(a)	How to create a thread? Explain Life Cycle of a Thread.	05
	(b)	What is exception? List out any three exceptions with example.	05
		OR	
Q.4	(a)	Explain conditional statement in java with example.	05
	(b)	Write a program to print only even number from 1 to 100.	05
Q.5	(a)	What is switch-case? Explain with example.	05
	(b)	Write down step the variable declaration rules in java	05
		OR	
Q.5	(a)	What is the role of interface in Java? Elaborate in	05

		your word.	
	(b)	Explain Abstract methods and Classes in java.	05