

GOVERNMENT POLYTECHNIC KOLHAPUR

(An autonomous Institute of Government of Maharashtra)

Unit Test No.: 1 (Even Term 2024-25)

LEVEL: III

COURSE CODE: ITH308

MAX MARKS: 30

DATE: / / 2025

PROGRAMME: Information Technology

COURSE NAME: Java Programming

TIME DURATION: 1 Hour 30 min

(Abbreviations: QN: Question Number, SQN: Sub Question Number, Level R: Remember, U: Understanding, A: Application, CO: Course Outcome)

QN	SQN	Question Text	Level	CO	Marks
1.		<i>Attempt any Five</i>			10
	a	Compare java, C++ and C (any 4 points)	A	1	
	b	Describe the function of a wrapper class.	R	1	
	c	Define constructor and write its syntax.	R	1	
	d	Develop a java program to show the use of instanceof operator.	A	1	
	e	List any 4 built in packages from Java API along with their use.	R	2	
	f	State similarities between class and interface.	R	2	
	g	List common compile time errors.	R	3	
2.		<i>Attempt any Five</i>			20
	a	Develop a java program to find maximum number between two number.	A	1	
	b	Explain concept of method overloading with example	U	1	
	c	Explain steps to create your own package with example.	U	2	
	d	Implement multiple inheritance in Java using interfaces. Create two interfaces: Account with methods set() and display(). Person with methods store() and disp(). Define a class Customer that implements both Person and Account. The class should: Accept name, account number, and balance as input. Display all account-related information along with the calculated interest. Ensure proper method implementation and demonstrate multiple inheritance through interfaces.	A	2	
	e	Explain use of super with respect to inheritance.	U	2	
	f	Explain the syntax of try...catch block with example.	U	3	
	g	Design a Java program to demonstrate throwing a custom exception.	A	3	