Reg. No. | | | | | | | | |

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.
(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.Sc., INFORMATION TECHNOLOGY

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
II	PART-III	CORE-3	U23IT202	JAVA PROGRAMMING

Date & Session:28.04.2025/FN **Time: 3 hours** **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Which component is used to compile, debug and execute the java programs? a) JRE b) JIT c) JDK d) JVM
CO1	K2	2.	Which of the following is not an OOPS concept in Java? a) Polymorphism b) Inheritance c) Compilation d) Encapsulation
CO2	K1	3.	Which of these are selection statements in Java? a) Break b) continue c) for d) if
CO2	K2	4.	Which of the following is a primitive data type in Java? a) String b) Integer c) Double d) int
CO3	K1	5.	In method overloading, what determines which method to call? a) Return type b) Number of parameters c) parameter names d) Parameter types and number
CO3	K2	6.	Which keyword is used to inherit a class in java? a) extends b) implements c) inherits d) super class
CO4	K1	7.	Which of these packages contains the exception Stack Overflow in Java? a) java.io b) java.system c) java.lang d) java.util
CO4	K2	8.	Which of these keywords is used to define interfaces in Java? a) Intf b) intf c) interface d) interfaces
CO5	K1	9.	What is the purpose of a servlet? a) To create a database b) To handle HTTP requests c) To create a web page d) To manage files
CO5	K2	10.	Whats is the interface used to execute SQL statements in JDBC? a) connection b) statement c) result set d) driver manager

Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	11a.	Interpret Java Virtual Machine. **(OR)**
CO1	K3	11b.	Illustrate the benefits of OOPs.

1

Course Outcome	Bloom's K-level	Q. No.	
CO2	K3	12a.	Describe and Classify the various types of arrays.
			(OR)
CO2	K3	12b.	What is datatype? Explain it briefly.
CO3	K4	13a.	Conclude briefly about constructor with example.
			(OR)
CO3	K4	13b.	Explain method overloading including its benefits and examples.
CO4	K4	14a.	Analyze the concept of interface.
			(OR)
CO4	K4	14b.	Classify briefly about multithreading.
CO5	K5	15a.	Interpret briefly about servlet lifecycle.
			(OR)
CO5	K5	15b.	Evaluate the role of Java servlet API.

Course Outcome	Bloom's K-level	Q. No.	**SECTION – C (5 X 8 = 40 Marks)** **Answer <u>ALL</u> Questions choosing either (a) or (b)**
CO1	K3	16a.	Prepare detailed note on Object Oriented Programming concepts.
			(OR)
CO1	K3	16b.	Write a detailed note on tokens.
CO2	K4	17a.	Examine conditional statements with example.
			(OR)
CO2	K4	17b.	Compare and contrast the different types of looping statements with suitable example.
CO3	K4	18a.	What is classes and object? Illustrate it in detail with example.
			(OR)
CO3	K4	18b.	Analyse the concept of inheritance in detail.
CO4	K5	19a.	Criticize package with suitable example.
			(OR)
CO4	K5	19b.	Evaluate exception handling with example.
CO5	K5	20a.	Show the lifecycle methods of Java servlet.
			(OR)
CO5	K5	20b.	Assess the functionality of JDBC with suitable example.