

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.C.A.,

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
IV	PART-III	CORE-7	U23CA404	PROGRAMMING IN JAVA

Date & Session: 28.04.2025 /AN

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 allows a program to do many things simultaneously? a) Dynamic b) Distributed c) Multithreaded d) Robust
CO1	K2	2.	Which operator returns the remainder of division operation? a) % b) ++ c) / d) %=
CO2	K1	3.	What is invalid use of a null reference? a) Null Pointer Exception b) Security Exception Exception c) Class Not Found d) Interrupted Exception
CO2	K2	4.	How do you access data from base class in Inheritance? a) Extends b) Extend c) Import d) ::
CO3	K1	5.	What is used to identify the entry point for the Thread? a) Join b) Run c) Sleep d) Start
CO3	K2	6.	Which is used to create a writer that can be used to write data to a file? a) Char Array Writer b) File Writer c) Buffer Writer d) Print Writer
CO4	K1	7.	Which class provides a compact, multiple choices, scrolling selection list? a) Label b) Check Box c) List d) Scroll Bar
CO4	K2	8.	Which interface has only one method to handle events? a) Focus Listener b) Component Listener c) Action Listener d) Mouse Listener
CO5	K1	9.	Which of the following methods is used to add a component to a JFrame? a) add() b) remove() c) setLayout() d) setSize()
CO5	K2	10.	Which of the following events is triggered when a JRadioButton is clicked? a)(ActionEvent) b) MouseEvent c) KeyEvent d) ItemEvent
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.	Show an example of how to declare a Variable. (OR)
CO1	K3	11b.	Explain how while loop works in Java. Give example.

CO2	K3	12a.	Illustrate the definition of Interface with syntax. (OR)
CO2	K3	12b.	Show the Java's Built in Exceptions with program.
CO3	K4	13a.	Examine on Inter Thread Communication in briefly. (OR)
CO3	K4	13b.	Identify the meaning of Stream classes with example.
CO4	K4	14a.	Compare Check Box and List Box of AWT. (OR)
CO4	K4	14b.	Analyze the terms of Adapter Classes with suitable example.
CO5	K5	15a.	Justify the Hierarchy of Swing components. (OR)
CO5	K5	15b.	Appraise the function of JText Area with suitable syntax.

Course Outcome	Bloom's K-level	Q. No.	<p style="text-align: center;">SECTION – C (5 X 8 = 40 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)</p>
CO1	K3	16a.	Describe the concept of constructors? Give example. (OR)
CO1	K3	16b.	Operate on Multidimensional Arrays with suitable program.
CO2	K4	17a.	Distinguish between Method Overloading and Method Overriding. (OR)
CO2	K4	17b.	Illustrate the concepts of Packages with neat syntax and example.
CO3	K4	18a.	Examine on using synchronization methods of Multithread. (OR)
CO3	K4	18b.	Compare reading console input and writing console output.
CO4	K5	19a.	Appraise the Layout Managers in AWT with example. (OR)
CO4	K5	19b.	Discuss the Event Listeners of Event Handling.
CO5	K5	20a.	Illustrate the JButton and its process with suitable program. (OR)
CO5	K5	20b.	Discuss the terms of JCombo Box with neat example.