

Reg. No.

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



UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.Sc., INFORMATION TECHNOLOGY

| SEM | CATEGORY | COMPONENT | COURSE CODE | COURSE TITLE |
|-----|------------|-----------|-------------|-----------------------|
| III | PART - III | CORE | U21IT303 | PROGRAMMING WITH JAVA |

Date & Session: 08.11.2024 / AN

Time : 3 hours

Maximum: 75 Marks

| Course Outcome | Bloom's K-level | Q. No. | SECTION – A (10 X 1 = 10 Marks) Answer <u>ALL</u> Questions. |
|----------------|-----------------|--------|--|
| CO1 | K1 | 1. | The output of the Java compiler is _____. a) Unicode b) Executable code c) Bytecode d) Object code |
| CO1 | K2 | 2. | The size of int data type is _____ bits. a) 8 b) 16 c) 32 d) 64 |
| CO2 | K1 | 3. | Which is a physical entity in an object oriented system? a) Class b) Object c) Data abstraction d) Data Encapsulation |
| CO2 | K2 | 4. | Which keyword points the address of current object? a) Final b) Abstract c) This d) Extends |
| CO3 | K1 | 5. | A sub class with only one super class is called _____ inheritance. a) Single b) Multilevel c) Multiple d) Hierarchical |
| CO3 | K2 | 6. | Which keyword is used to throw an exception manually. a) Try b) Catch c) Throws d) Throw |
| CO4 | K1 | 7. | The default priority value for a thread is _____. a) 1 b) 5 c) 7 d) 10 |
| CO4 | K2 | 8. | Which Layout Manager class has four narrow and one large area in the center? a) FlowLayout b) BorderLayout c) GridLayout d) CardLayout |
| CO5 | K1 | 9. | The default layout for Frame is _____. a) Border b) Card c) Flow d) Grid |
| CO5 | K2 | 10. | AWT stands for _____. a) Advance Window Tools b) Advance Window Toolkit c) Abstract Window Tools d) Abstract Window Toolkit |
| Course Outcome | Bloom's K-level | Q. No. | SECTION – B (5 X 5 = 25 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b) |
| CO1 | K3 | 11a. | Explain the steps to create one dimensional array. |
| | | | (OR) |
| CO1 | K3 | 11b. | Explain the type conversion with example. |

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|-----|----|------|---|
| CO2 | K3 | 12a. | Identify the usage of logical operators in JAVA. (OR) |
| CO2 | K3 | 12b. | Identify the need of Arithmetic operators in JAVA. |
| CO3 | K4 | 13a. | Examine the concept of Interface with example. (OR) |
| CO3 | K4 | 13b. | Compare throw with throws keyword. |
| CO4 | K4 | 14a. | Evaluate the need of ActionListener interface. (OR) |
| CO4 | K4 | 14b. | Assess the importance of Thread Priorities. |
| CO5 | K5 | 15a. | Discuss the features of JAVA Swing. (OR) |
| CO5 | K5 | 15b. | How will you create colors in JAVA? Discuss it. |

| 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. | Explain the features of JAVA. (OR) |
| CO1 | K3 | 16b. | Explain the various data types available in JAVA. |
| CO2 | K4 | 17a. | Write a java code to calculate the factorial value using for loop. (OR) |
| CO2 | K4 | 17b. | Write a java code to find largest of three numbers using selection statement. |
| CO3 | K4 | 18a. | Analyse the need of multiple catch block with example. (OR) |
| CO3 | K4 | 18b. | Examine the steps to create user-defined package with example. |
| CO4 | K5 | 19a. | How will you handle the key events? Evaluate it. (OR) |
| CO4 | K5 | 19b. | Assess the importance of multi threading. |
| CO5 | K5 | 20a. | Discuss the Graphics class and its methods with example. (OR) |
| CO5 | K5 | 20b. | Discuss the window creation using Frame class. |