



ADMISSION NUMBER

School of University Polytechnic

Diploma in Computer Science and Engineering
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - N1DF401C - Programming with Java

General Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

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|-----|---|--------|
| 1) | List all constants in Java. | K1(2) |
| 2) | Describe the rules for creating identifiers in Java. | K2(4) |
| 3) | Discuss the advantages of using the PrintWriter class for console output compared to the standard System.out. | K2(6) |
| 4) | Implement a program in java to check whether a number is prime or not. | K3(9) |
| 5) | Implement an applet to input two numbers from the user and display the greater number. | K3(9) |
| 6) | Review the historical factors that influenced the creation of the Java programming language. Assess how these factors contributed to Java's success in the software development industry. | K5(10) |
| 7) | Analyze constructor overloading in java with the help of a program. | K4(12) |
| 8) | Examine all the features of java programming language. | K5(15) |
| 9) | Examine the following concepts in java :-
1. Exception handling
2. Multithreading
3. Polymorphism | K5(15) |
| 10) | Create a Java class named "Car" with attributes such as model, year, and color. Implement the following:-
1. Constructor Overloading
2. Method Overloading | K6(18) |