GALGOTIAS UNIVERSITY

School of University Polytechnic
Diploma in Computer Science and Engineering
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

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

1)	Explain programming paradigm.	K2 (2)
2)	Define Encapsulation.	K1 (3)
3)	Explain how code reusability is achieved in Java.	K2 (4)
4)	Describe the reason why Java is a robust and secure programming language.	K2 (6)
5)	Determine the role of Java Runtime Environment (JRE) and explain its role in the execution of Java applications.	K3 (6)
6)	Determine the various components of the Java Virtual Machine (JVM) responsible for the execution of a Java program. Write a concise explanation for each component.	K3 (9)
7)	Compare and contrast the procedural programming paradigm with the object-oriented programming paradigm.	K4 (8)
8)	Differentiate between JDK, JRE and JVM.	K4 (12)

OR

	Analyze all the tokens in java with the help of example.	K4 (12)