21CSC1C2L

Sl. No.

M.Sc. I Semester Degree Examination, April/May - 2024
COMPUTER SCIENCE
JAVA Programming
(NEP)

Time : 3 Hours   Maximum Marks : 70

Note : *Answer **any five** of the following questions with Question No. **1**(Q1) **compulsory**. Each question carries **equal** marks.*

1. (a) Discuss the features of JAVA.   **7**

  (b) Discuss the Architecture of JVM.   **7**

2. (a) Define Constructor and explain the scenario of overloading constructor with an example.   **7**

  (b) List out different ways of argument passing in Java and explain with an example.   **7**

3. (a) Describe different types of Inheritance in JAVA with an example.   **7**

  (b) Demonstrate the use of super() to access superclass constructor in java.   **7**

4. (a) Explain the three ways of accessing package in java.   **7**

  (b) Explain Exception Handling in Java.   **7**

5. (a) Write a program to demonstrate Event Handling in java.   **7**

  (b) Explain the following terms with suitable syntax.   **7**

    (i) Label

    (ii) Button

    (iii) Checkbox

    (iv) List

6. (a) Write a java program to find the factorial of a given number using recursion in Java. **7**

(b) Write a pseudo code to demonstrate Garbage collection. **7**

7. (a) List and explain different types wrappers with syntax. **7**

(b) Differentiate between AWT and Swing. **7**

8. Write a short note on the following :

(a) String Modifiers **5**

(b) Polymorphism **5**

(c) Control flow statements **4**

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