

**B.Sc. Semester-II Examination, 2022-23****COMPUTER SCIENCE [Honours]**

Course ID : 21511 Course Code : SH/CSC/201/C-3

Course Title : Programming in Java

**[OLD SYLLABUS]**

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-I**1. Answer any **five** of the following questions:

1×5=5

- Define Constructor in Java?
- What is polymorphism?
- What is java utility?
- What is singleton class in Java?
- What is a package in Java?
- What is thread?
- What is final keyword in Java?
- What is data abstraction in Java?

**UNIT-II**2. Answer any **two** of the following questions: 5×2=10

- Write a Java program to demonstrate example of multilevel inheritance.
- Explain access modifiers in Java with example.
- Write a Java program to find common elements between two integer arrays.
- What is interface in Java? Write down Difference between abstract class and interface. 1+4

**UNIT-III**3. Answer any **one** of the following questions:

10×1=10

- Discuss the main concepts of OOPs in Java? What is method overloading and method overriding? 6+4
- What is the difference between error and exception in Java? Explain exception handling mechanism in Java with example. 3+7

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