

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

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

Course Title : Object Oriented Programming

[NEW 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?
- Define virtual function.
- What is a scope resolution operator?
- What is friend function in C++?
- What is polymorphism?
- What is java utility?
- What is singleton class in Java?
- What is a package in Java?

UNIT-II2. Answer any **two** of the following questions: 5×2=10

- Write a C++ program to demonstrate example of Hierarchical inheritance.
- Explain function overloading 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-III3. Answer any **one** of the following questions:

10×1=10

- Discuss visibility modes in C++ with proper example of each.
- What is the difference between error and exception in Java? Explain exception handling mechanism in Java with example. 3+7
