

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PCSS3C12 - OBJECT ORIENTED PROGRAMMING CONCEPTS

(Computer Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. What is the significance of switch statement in java?
2. What is a new operator? Explain with an example.
3. Explain parameterized constructor in Java.
4. Differentiate between byte oriented and character oriented streams .
5. What is thread synchronization?
6. Explain any three event listner interface.
7. Define socket.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Give a detailed note on JVM and Bytecode
9. Write Java program to add two complex numbers using object and class
10. Discuss the uses of throw and throws with examples.
11. What do you mean by applet? Explain its uses.
12. Explain: (1) Menu (2) MenuBar (3) Button
13. Short note on JDBC statements.
14. Expand UML. Give a detailed note.

(4 × 3 = 12 Weightage)

Part-C

Answer any ***two*** questions. Each question carries 5 weightage.

15. What do you mean by Object Oriented Programming? Explain various features of Object Oriented Programming.
16. Explain call by value and call by reference parameter passing mechanisms with examples for each.
17. What is inheritance? A super class Person with two subclasses, Student and Instructor, that inherits from Person. A person has a name and a year of birth. A student has a department, and an instructor has a salary. Create the classes with suitable member functions to read and display the details.
18. What are interfaces? How interfaces can be inherited in java?

(2 × 5 = 10 Weightage)
