

# CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BSc(CS), SEMESTER-III

## MAJOR: OBJECT ORIENTED PROGRAMMING USING JAVA

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

### SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks 5 X 4 =20 M

1. What is the difference between object-oriented programming and procedural programming?
2. Explain the type conversion and type casting.
3. Explain about jumping statements.
4. Explain about the method overriding.
5. What is the purpose of super keyword?
6. Define interfaces? How to implement interfaces in java?
7. What is the role of try, catch and throw blocks in exception handling?
8. How to understanding CLASSPATH in java?
9. Explain about thread priorities.
10. Explain about grid layout.

### SECTION-B

II. Answer **All questions**. Each Question Carries 10 Marks 5 X 10 =50 M

11. Define object-oriented programming? Explain the object-oriented programming concepts?

**Or**

12. Discuss the looping statements in java with example.

13. What is an array? Explain one dimensional array in java with example.

**Or**

14. What is a constructor? Explain the different types of constructors in java with example.

15. What is inheritance? Explain different types of inheritances in java.

**Or**

16. What is interface? How to implement, accessing and extending interfaces?

17. Define a package? How to creating and implementing packages in java?

**Or**

18. Explain about checked exceptions and unchecked exceptions.

19. What is a thread? Explain the life cycle of thread.

**Or**

20. Explain the MVC architecture in Swing GUI programming.

