



QP CODE: 26802011



Reg No :

Name :

INTEGRATED M Sc DEGREE EXAMINATION APRIL 2026

Second Semester

CORE - ICSC2CR2 - OBJECT ORIENTED PROGRAMMING USING C++

INTEGRATED MSc COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING, INTEGRATED MSc COMPUTER SCIENCE - DATA SCIENCE

2020 Admission Onwards

D6FA2924

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

Answer any **eight** questions.

Weight 1 each.

1. What is procedural programming?
2. Distinguish between object and class.
3. Mention the purpose of Return Statement.
4. What is Default Argument?
5. Write the purposes of public private protected Keywords.
6. Write a note on Data Hiding.
7. What is the difference between constructor and method?
8. Why do we need operator overloading in c++?
9. What do you mean by a pointer?
10. When do we make a class abstract?

(8×1=8 weightage)

Part B (Short Essay/Problems)

Answer any **six** questions.

Weight 2 each.

11. Explain derived data types in C++.
12. Describe the use of scope access operator (::) and reference operator (&)
13. Differentiate the types of loops with appropriate examples.





14. Write a program for Function Overloading.
15. How to define a Member Function. Write an example program.
16. What is a Friend Class. Give an example program.
17. Explain constructor overloading.
18. Explain multiple inheritance with suitable examples.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Elaborate the structure of C++ program.
20. Explain the methods of Passing Arguments in Functions , with C++ programs.
21. Describe in detail - Static member variables and functions.
22. Explain different types of polymorphism with suitable examples.

(2×5=10 weightage)

