

M.Sc. DEGREE EXAMINATION, APRIL 2018
(Applicable Mathematics)
I YEAR I SEMESTER
Core Major -III - PROGRAMMING IN C++

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20marks$)

Answer any **TEN** questions

1. Define Encapsulation.
2. What is called Data Abstraction?
3. Write the ternary operator with example.
4. Define function.
5. List the examples for polymorphism.
6. What is type conversion?
7. List any four input output statements in c++.
8. When the ambiguous situation occurs while using c++?
9. What is called exception handling?
10. List any four file modes used in c++.
11. Define inline function.
12. Why class is called logical entity?

Section B ($5 \times 5 = 25marks$)

Answer any **FIVE** questions

13. Describe the application of oops.
14. Briefly discuss the types of tokens used in c++.
15. What is copy constructor? Give an example.
16. Write short notes on console operations.
17. List file pointers available in c++ and describe.
18. What is the use of virtual function? Describe.
19. Explain the control structures used in c++.

P.T.O

Section C ($3 \times 10 = 30marks$)

Answer any **THREE** questions

20. Explain the basic features of oops.
21. Discuss the different parameter passing mechanisms with example.
22. How to overload a function in c++? Explain with example.
23. Explain various types of inheritance.
24. Discuss command line arguments with example.