

**B.Sc. DEGREE EXAMINATION, APRIL 2020**  
**I Year II Semester**  
**Object Oriented Programming in C++**

**Time : 3 Hours**

**Max.marks :75**

**Section A** ( $10 \times 2 = 20$ ) Marks

Answer any **TEN** questions

1. What is manipulator?
2. Write the structure of C++ Program.
3. What is Pointer?
4. Define function Prototyping.
5. What is a Class?
6. What is a Destructor?
7. Define Templates.
8. What is an Exception?
9. What is a Stream?
10. What is the use of getline() functions?
11. What does polymorphism mean in C++ Language?
12. What are Reference variables in C++?

**Section B** ( $5 \times 5 = 25$ ) Marks

Answer any **FIVE** questions

13. Write the Control structures in C++
14. When will you make a function inline? Why?
15. What is a constructor? List the special properties of constructor function.
16. Discuss about exception handling in C++.
17. Discuss about error handling during file operations.
18. Define an operator overloading? Write a program for overloading unary operators.
19. How parameters can be passed in Functions.

**Section C** ( $3 \times 10 = 30$ ) Marks

Answer any **THREE** questions

20. What are the unique advantages of object-oriented Programming?
21. Write short notes on a) Friend functions. b) Virtual functions.
22. What is inheritance? Explain the types of inheritance,
23. Discuss class Templates.
24. Explain about opening and closing a file in C++.

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