B.Sc DEGREE EXAMINATION,APRIL 2019
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 Abstraction?
2. Explain Unary Operator.
3. List the uses of Pointers
4. Define function prototype.
5. Define Constructor.
6. What is Operator overloading?
7. List the usage of Iterators.
8. Explain the categories of Containers.
9. What is a file mode?
10. How to update a file?
11. What is runtime polymorphism?
12. What is Command-line argument?

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

Answer any **FIVE** questions

13. State the important features of OOPS.
14. What are the properties of a friend function? What are its benefits.
15. Explain multiple inheritance with an example.
16. Discuss about passing template classes.
17. What are the different ways of opening a file in C++?
18. Write a program to calculate area of a circle using Inline function.
19. Discuss Switch statement. Compare it with the use of nested if else statement.

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

Answer any **THREE** questions

20. Describe the basic concepts of OOPS.
21. Explain Various types of Constructors with its characteristics.
22. Define polymorphism. Explain types of polymorphism with example.
23. What are Exceptions? Explain the mechanism with an example.
24. Explain the use of ifstream and ofstream classes for file input and output.

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