M.Sc. DEGREE EXAMINATION,APRIL 2020
I Year I Semester
Programming in C++

Time : 3 Hours **Max.marks :75**

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

Answer any **TEN** questions

1. How to implement real world entities in oops?
2. Define polymorphism.
3. What are the types of streams available in c++?
4. What are derived datatypes in c++?
5. State the rules for overloading functions.
6. Differentiate objects and classes in c++.
7. What is multilevel inheritance?
8. How are the bases used in setbase method?
9. What are file modes?
10. Differentiate between sequential and random file.
11. What is a class hierarchy?
12. Differentiate between structure and classes in c++.

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

Answer any **FIVE** questions

13. Discuss about the various paradigm of oops.
14. Write short notes on constants in c++ with example.
15. Differentiate between call by value and call by address in functions of c++.
16. What are the different access control and inheritance?
17. What are streams? Explain the various file stream classes needed for file manipulation.
18. Can base class access members of derived class? Give reason.
19. What is containership or delegation? How does it differ from inheritance?

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

Answer any **THREE** questions

20. Discuss and explain the application of object oriented program.
21. Explain the scope resolution operator and write about the control statements followed in c++.
22. What are the various types of function followed in c++?
23. Briefly explain the constructor types in detail.
24. Write a program which copies the contents of one file to a new file by removing unnecessary spaces between words.

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