QP CODE: 23104835

23104835

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Cyber Forensic Model III

Core Course - CF1CRT02 - INTRODUCTION TO PROGRAMMING

2019 Admission Onwards

5651AC9D

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is an interpreter?
2. What is debugging?
3. Define function.
4. What are static member functions?
5. What is meant by constructors with default arguments?
6. What is dynamic initialization of objects?
7. How can we define a derived class?
8. Define the visibility modes in inheritance.
9. In what order are the class constructors called when a derived class object is created?
10. Why do we need virtual functions?
11. What is fstream class?
12. What are file pointers?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain in detail about operators in C++.

14. Explain about arrays.

15. Explain inline function with example.

16. Explain the different applications of OOPs.

17. What is operator overloading? Explain unary operator overloading with example.

18. Explain type conversion with example.

19. Explain single inheritance with example.

20. Explain this pointer with example.

21. Explain the different file modes.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain procedure oriented programming and object oriented programming.

23. Explain in detail about class and object.

24. Explain constructor and its different types with example.

25. Explain virtual base class and abstract class with example.

(2×15=30)