B.C.A. DEGREE EXAMINATION,NOVEMBER 2018
II Year III Semester
Core Major- Paper III
OBJECT ORIENTED PROGRAMMING WITH C++

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

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

Answer any **TEN** questions

1. What are the elements of object- oriented programming?
2. List the promising areas for application of object - oriented programming.
3. What are tokens? Discuss.
4. What is the use of 'endl' manipulators?
5. What is a class? Describe the syntax for declaring a class.
6. Define operator overloading. List the operators that cannot be overloaded.
7. What are static member functions?
8. Name the types of inheritance.
9. What are file pointer?
10. What is an inline function?
11. What is the use of eof() function?
12. What are command line arguments? Give example.

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

Answer any **FIVE** questions

13. What are the benefits of OOP? Discuss briefly.
14. What is friend function? Explain with examples.
15. What are various types of constructors? Explain any two with example.
16. Write about virtual functions. Explain with examples.
17. Explain about various unformatted I/O operations in C++ with examples.
18. Explain the various file stream classes needed for file manipulations in C++.
19. Write a C++ program to find the sum of N given numbers.

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

Answer any **THREE** questions

20. Explain the basic concepts of OOP with examples.
21. Describe the various control structures in C++ with suitable examples.
22. Explain about operator overloading with example.
23. Explain the types of inheritance with examples.
24. Discuss the procedure for handling errors during file operations.

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