

**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. Define Objects.
2. What are the advantages in C++ when comparing to C?
3. What is meant by keyword?
4. List the 7 types of Expression.
5. Define Destructor.
6. What is meant by Function overloading?
7. Write the syntax for defining class.
8. What is Virtual function?
9. Write about the seekg() and seekp() functions in C++.
10. Write about the Command Line Arguments.
11. What is information hiding?
12. What is an Identifier?

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

Answer any **FIVE** questions

13. Write the benefits of OOPS.
14. How parameters are passed to functions? Explain.
15. Explain various constructors in C++.
16. How does the virtual function mechanism work? Discuss.
17. Discuss the concept involved in classes for file stream operation.
18. Write the C++ program to implement the concept of function overloading.
19. Write short notes on operator overloading.

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

Answer any **THREE** questions

20. Describe the basic concepts of OOPS.
21. Write a C++ program for friend function.
22. Discuss about the operator Overloading with an example.
23. Explain about different types of Inheritance.
24. Describe about the sequential input and output operations in C++.

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