



# ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆

PREFINAL- II SEMESTER EXAMINATIONS

Date: 26.03.2020

BCA - C++

Max. Marks : 75 M

Time : 3 Hours

## SECTION - A

Answer any THREE Questions:

5X5= 25M

1. Explain scope resolution operator and reference operator in C++.
2. Explain the I/O statements in C++.
3. Explain function overloading with examples.
4. Explain the access qualifiers in C++
5. Explain Virtual functions and need for Virtual function in C++
6. Explain the process of overloading binary operators as friend function.
7. Explain about Destructors in C++. What is Virtual Destructor.
8. Explain different file opening modes in C++.

## SECTION - B

Answer the following Questions:

5X10= 50M

9. a) What are the principles of OPP. Explain in detail?

OR

b) Explain the benefits and applications of OOP.

10. a) Explain class specification in C++. Explain the static members of a class with examples.

OR

b) Explain different types of constructors in C++.

11. a) What is Operator overloading? Explain how to overload unary and binary operators with examples?

OR

b) Explain different types of Inheritance with examples.

12. a) What is Template? Write about different types of templates with examples?

OR

b) Explain different types of Templates. Explain the Inheritance of class Template. Explain different types of Files. Explain

OR

13. a) Explain file stream structure and file pointer manipulation.

b) Explain Exception handling Mechanism in C++.