



ACE

Engineering College

(NBA ACCREDITED B.TECH COURSES & NAAC "A" GRADE)

An Autonomous Institution

Ankushapur (V), Ghatkesar (M), Madchal. Dist – 501 301

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

II B.Tech I Semester Regular(R18) (2020-21)

Sub:C++

ASSIGNMENT –I:

1. What does inheritance means in C++?What are different forms of inheritance ?give an Example.
2. What is the benefit of Copy Constructor.
3. What is this pointer.writeapplications of it.
4. Describe the following characteristics of OOPS a)Encapsulation
b)Polymorphism c)Inheritance.
5. Explain how inline function different from Macro.

ASSIGNMENT 2

- 1.Explain Pure Virtual Functions. Write a C++ program to illustrate pure virtual functions.
2. Differentiate between early binding and late binding, with an example explain how late binding can be achieved in C++.
3. Define exception handling. Explain the use of try, catch and throw for exception handling in C++.

4. Explain the file operation functions in C++ to manipulate the position of file pointers in a random access file.
5. Explain the use of ifstream and ofstream classes for file input and output.
6. What is abstract class? Explain with an example.
7. What is a virtual base class? Why it is important to make a class virtual.
8. Explain Operator overloading with one example.
9. What is significance of Virtual Destructor?
10. Write a C++ Program for exceptions handling in constructors and destructors