Roll No……..….. **Total No. of Printed Pages: 1**

Total No. of Questions: [09]

BCA (Semester – 4th)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code: BCSE0F92

Paper ID: [OE1160123]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a. What is Namespaces?
b. Explain Accessifier.
c. What is "This" pointer?
d. Define binding.
e. Define Pure Virtual Function.
f. Name the various file stream classes used in C++.
g. Define Class.
h. Define Encapsulation.
i. Explain the need of header files.
j. Define destructor.

Section – B **(5 marks each)**

Q2. Write a program of Fibonacci Series using for loop.

Q3. Differentiate Overloading and Overriding.

Q4. Explain with example the role of constructor & destructor.

Q5. What is the need of Streams? Explain various types of streams used in C++.

Q6. Explain Friend function and Friend class with example.

Section – C **(10 marks each)**

Q7. What is Inheritance? Explain various types of inheritance with example.

Q8. Explain Polymorphism. Explain its types with example.

Q9. Write a C++ program to copy the contents of one file to another file.