

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.