BCA-10

December - Examination 2019

BCA Pt. II Examination

Object Orientated Programming in C++

Paper - BCA-10

Time : 3 Hours]   **[Max. Marks :- 70**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A $7 \times 2 = 14$

(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

1. i. Define destructor.

   ii. Write about friend class.

   iii. List the operators that cannot be overloaded.

   iv. Define copy constructor.

   v. Define this pointer in C++.

   vi. Write down application of OOPs.

   vii. What is >> and >>>?

Section - B $4 \times 7 = 28$
(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 7 marks.

2. What is object oriented programming? Give its advantages.
3. Explain static data numbers and number function.
4. Explain friend function and friend class.
5. Explain function templates with suitable example.
6. Explain various control statements in C++.
7. Distinguish between header file and library file.
8. What are operators used in C++.
9. What is stream? Give its types.

Section - C $2 \times 14 = 28$
(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 14 marks.

10. How exceptional handling implemented in C++. Explain with example.
11. Explain polymorphism with example.
12. Write note on followings:
    i.   Derived class
    ii. Virtual base class
13. Write note on followings:
    i.   File pointer
    ii. Type conversion.

―――――