BCA-10

June - 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)   What is virtual function?

   (ii) Define constructor.

   (iii) Define object.

   (iv) Explain data hiding.

   (v)   What are access specifier?

   (vi) What is polymorphism?

   (vii) Define output stream.

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) Write features of C++ language.

3) Explain inheritance and it's various types.

4) Explain function overloading.

5) What are access specifier. Name different access specifiers in C++.

6) Explain message passing.

7) Describe friend class with suitable example.

8) How stack is implemental in C++?

9) Define virtual function.

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) Write C++ program to store student record by creating class. Student record will have

    (i)   Name

    (ii) Age

    (iii) Marks

11) Write C++ program to explain function overloading in C++.

12) Define followings:

    (i)   Scope resolution operation.

    (ii) Preprocessor directives.

13) Write notes on followings:

    (i)   Encapsulation.

    (ii) Static class.

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