

Roll No. ....

Total No. of Questions : 13]

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## Paper ID [A0214]

(Please fill this Paper ID in OMR Sheet)

**BCA (304) (S05) (O) (LE) (Sem. - 3<sup>rd</sup>)**

**OBJECT ORIENTED PROGRAMMING USING IN C++**

**Time : 03 Hours**

**Maximum Marks : 75**

**Instruction to Candidates:**

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

### Section - A

**Q1)**

**(15 × 2 = 30)**

- a) What do you mean by data abstraction?
- b) Difference between break and continue.
- c) What do you mean by default arguments?
- d) What do you mean by recursion? List some uses of functions.
- e) What do you mean by nested structure?
- f) Dynamic constructor?
- g) Is constructor can be overloaded? Justify your answer.
- h) What is static function?
- i) What is ambiguity error? How we can solve it.
- j) What do you mean by fstream?
- k) Various ways to open a file in c++.
- l) What do you mean by pure virtual function?
- m) seekg() and seekp()
- n) What is redirection.
- o) List some advantages of oops?

**A-71**

**P.T.O.**

## Section - B

(9 × 5 = 45)

- Q2)** Explain various types of inheritance?
- Q3)** Difference between C and C++?
- Q4)** What is an array. WAP to search an element in array using function?
- Q5)** WAP to swap two numbers using call by value and call by references.
- Q6)** Explain friend function of two classes using example.
- Q7)** Difference between function overloading and function overriding.
- Q8)** WAP to print factorial using inheritance.
- Q9)** What do you mean by copy constructor explain with example?
- Q10)** What are various file opening mode available in c++?
- Q11)** WAP to copy the content of one file to another.
- Q12)** Explain any two:  
(a) eof()  
(b) bad()  
(c) tell().
- Q13)** WAP to search the record of a student from file.

