

Roll No. ....

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**B. A./B. Com./B. Sc. (Part II)  
EXAMINATION, 2018**

(New Course)

(Vocational Course)

COMPUTER APPLICATION

Paper Third

(Object Oriented Programming with C++ OOPs)

Time : Three Hours ] [ Maximum Marks { B. A. : 25  
B. Com./B. Sc.: 50

Note : Attempt questions from all Sections as directed.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

**Section—A**

(Short Answer Type Questions)

Note : For B. A. attempt any three questions and each question carries 3 marks. For B. Com./B. Sc. attempt all questions and each question carries 3 marks.

1. (A) Enumerate the rules of identifier.
- (B) Write down main feature of object oriented programming in C++.

- (C) Differentiate between for and while loop.
- (D) What do you understand by Access Specifier ?
- (E) What is file input and output stream ?
- (F) Express the following statement with syntax :
  - (i) Array
  - (ii) Conditional operator
  - (iii) Switch

**Section—B**

(Long Answer Type Questions)

Note : Attempt any two questions. For B. A. each question carries 4 marks and for B. Com./B. Sc. each question carries 8 marks.

2. (i) What are basic data type in C++ ?  
(ii) Write a program in C++ display Fibonacci series of n numbers. <http://www.csjmuonline.com>
- 3 What is friend function ? Differentiate between friend function and inline function.
- 4 What is an array ? How can initialize and declare array elements ? Define one-D and two-D array with example.
5. (i) Write a program in C++ input any no in binary form and display in decimal form :  
Ex : Input Binary form : 110111  
Output Decimal form : 55  
(ii) What is the role of header file ? Define any two header file using in C++.

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Section—C

(Long Answer Type Questions)

Note : Attempt any *two* questions. For B. A. each question carries 4 marks and for B. Com./B. Sc. each question carries 8 marks.

6. What do you mean by Operator Overloading ? Define with example.
7. What is Constructor ? Define different *two* types of constructor with example.
8. (i) Write a program in C++ to read a file and display the content of the file on the screen.  
(ii) What is file stream classes ? Explain it.
9. Write short notes on the following :
  - (i) Inheritance.
  - (ii) Constructor function