



SB - 181

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Seat No.	
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**B.C.A. (Part - II) (Semester - III) (Faculty of Commerce)
Examination, November - 2019**

OBJECT ORIENTED PROGRAMMING WITH C++

Sub. Code : 63399

Day and Date : Monday, 11 - 11 - 2019

Total Marks : 80

Time : 11.00 a.m. to 02.00 p.m.

- Instructions :**
- 1) Each question carries 16 marks.
 - 2) Solve any FOUR questions from Q.1 to Q.7.
 - 3) Q.8 is compulsory.

- Q1) a) What is Class? Explain with example. [8]**
b) Differentiate C and C++ programming languages. [8]

- Q2) a) Explain function overloading with suitable example. [8]**
b) Write a C++ program to display square and cube of number using inline function. [8]

- Q3) What is Constructor? Explain different types of constructors with suitable example. [16]**

- Q4) a) Explain different iterative statements in C++. [8]**
b) What is file? Explain input and output file operations. [8]

- Q5) What is Inheritance? Explain different types of inheritance with its syntax and example. [16]**

- Q6) a) Explain static data member with suitable example. [8]**
b) Write a program to swap two numbers using friend function. [8]

- Q7) What is polymorphism? Explain runtime polymorphism with suitable example. [16]**

P.T.O.

Q8) Write short note on any four:

- a) File opening modes
- b) Switch
- c) Scope resolution operator
- d) Private and public
- e) This pointer
- f) Data abstraction

