



24/3/2018

DOON UNIVERSITY, DEHRADUN
Department of Computer Science, School of Technology
MCA, Second Semester

Mid Semester Examination, 2018
MCC-201: Object Oriented Programming

Time Allowed: 2 Hours

Maximum Marks: 30

SECTION: A (Short Answer Type Questions)

(Total Marks: 3X2=6)

Q.1 Attempt all questions.

- What do you mean by class and object in C++?
- What are constructor and destructor?
- Write a function for swapping two integer values by using call by reference.

SECTION: B (Long Answer Type Questions)

(Total Marks: 3X4=12)

Q.2 Attempt all questions.

- Explain OOPs and its features.
- Explain templates in C++ with a suitable example.
- What do you mean by friend function? Write a C++ program to add two numbers using friend function.

SECTION: C (Very Long Answer Type Questions)

(Total Marks: 2X6=12)

Q.3 Attempt any two questions.

- What is exception handling? Discuss try, catch and throw with a suitable example.
- Write a program to declare a class 'student', consisting of data members: roll_no, and stud_name. Write the member functions accept () to accept and display () to display the data for 5 students.
- Write a program to implement the inheritance as shown in figure. Assume suitable member function to accept and display data.

