

www.FirstRanker.com

www.FirstRanker.com

Roll No.	Total No. of Pages: 02
----------	------------------------

Total No. of Questions: 09

B.Tech.(Automation & Robotics) (2011 & Onwards) (Sem.-4) OBJECT ORIENTED PROGRAMMING USING C++

Subject Code: BTCS-305 M.Code: 63015

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.

SECTION-A

1. Answer briefly:

- a. Give the comparison of C and C++ with examples
- b. Discuss function prototyping, with an example.
- c. What are advantages of function overriding?
- d. Define 'this' pointer.
- e. What is meant by type conversion?
- f. What is a scope resolution operator?
- g. Discuss derived class pointers.
- List some of the rules for operator overloading.
- i. What is the use of strrev() function?
- j. What is pure virtual function?



www.FirstRanker.com



SECTION-B

- Q2 Write a C++ program to count the number of objects of a certain class.
- Explain the steps of any one searching technique. O3
- 04 What is function of overloading? Write an example using C++ to illustrate the concept of function overloading.
- Q5 What is a friend class? Why is it required? Explain with an example.
- Q6 What are constructors? How are they different from member functions?

SECTION-C

- Explain public, private and protected access specifier and show their visibility when they are declared in Inheritance?
- What is the use of operator overloading? Write a program to overload post and pre O8 an with an example of the street of the stre increment operators.
- Q9 What are static data members? Explain with an example the use of static data members.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

2 | M - 6 3 0 1 5 (52)-614

