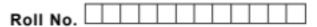


www.FirstRanker.com

www.FirstRanker.com



Total No. of Pages : 02

Total No. of Questions : 09

# B.Tech.(EIE) (2011 & Onwards) (Sem.-3) OBJECT ORIENTED PROGRAMMING Subject Code : CS-252 M.Code : 56511

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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) Describe data types in C++
- b) Define Bit Field integer.
- c) What is the concept of abstract class?
- d) What do you mean by data hiding in C++?
- e) Discuss copy constructor.
- f) What is a scope of resolution operator?
- g) Discuss static binding.
- h) What is the necessity of exception handling?
- i) Write the need of file positioning function.
- j) What do you mean by generic function?

1 M-56511



(\$2)-2507

FirstRanker.com

www.FirstRanker.com

#### SECTION-B

- 2. Write a program in C++ to check whether the given number is prime or not.
- 3. Give the steps of declaration of user defined data types. Explain with example.
- What is function overloading? Write an example using C++ to illustrate the concept of function overloading.
- Explain the following :
  - a) Copy constructor with an example

hunnit

- b) Virtual Base Class
- 6. What is polymorphism? Explain the different types of polymorphism.

### SECTION-C

- Explain public, private and protected access specifier and show their visibility when they are declared in inheritance.
- Explain in detail about the use of streams and stream classes in C++ by taking an example.
- 9. What is file handling in C++? Write syntax for closing the file using file operations.

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-56511



www.FirstRanker.com

(S2)-2507