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Total No. of Pages : 2

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-3rd) (2007 Onward Batches)

B.Tech. (ECE/EE/EEE/EIE/IT) (Sem.-3rd)

B.Tech. (IT) (Sem.-3rd) (2007 - 2010 Batches)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : CS-252

Paper ID : [A0304]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A

1. Write briefly :
 - a) List naming rules of identifiers.
 - b) What is data abstraction?
 - c) How is data hiding achieved in C++?
 - d) What is the role played by copy constructor? Give example.
 - e) What is class initialization in inheritance?
 - f) Differentiate between early binding and late binding.
 - g) What are advantages of generic functions?
 - h) What is implicit conversion? Give example.
 - i) Differentiate between switch and if-else statements.
 - j) What is virtual base class?

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SECTION-B

2. What are storage classes? Explain with examples.
3. List conditions in which function overloading can be performed. Give example.
4. Discuss with example public derivation for multilevel inheritance.
5. Explain the concept of generic classes with a program.
6. Explain dynamic memory management.

SECTION-C

7. Discuss in detail features of object oriented programming.
8. Explain the concept of constructors, destructor and friend functions with the help of a program.
9. Write short notes on :
 - a) File Handling
 - b) Constructors in Derived Classes