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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-2)

OBJECT ORIENTED PROGRAMMING USING C++

Subject Code : BSBC-203 (2011 & 2012 Batch)

Paper ID : [B1115]

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 SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

SECTION-A

I. Answer briefly :

- (a) What is data member and member function?
- (b) List various characteristics of constructor and destructor.
- (c) What is Encapsulation? What are its advantages?
- (d) What is Nested Structure? Discuss its need.
- (e) What is Operator Overloading? What are its different types?
- (f) What is use of scope resolution operator?
- (g) How class is different from structure?
- (h) What is Nested Class? Explain with an example.
- (i) What is early and late binding?
- (j) What is Static Function? What are its advantages?

SECTION-B

2. What is object oriented programming? Discuss its advantage and disadvantages over structured programming.
3. Explain the following :
 - (a) Array of structures
 - (b) Inline functions
4. What is Polymorphism? What is its need? Write C++ program to implement the concept of polymorphism.
5. What is Function? What are its advantages? Explain how function overloading is implemented in C++.
6. What is Inheritance? What are its different types? Explain with examples.
7. Write short notes on the following :
 - (a) Copy Constructor
 - (b) Streams in C++