



SB-3619

M. Sc. (Bio-Informatics) (Sem. II) Examination
March / April - 2011
205 : Object Oriented Programming Methodology

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
M. SC. (BIO-INFORMATICS) (SEM. 2)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
205 : OBJECT ORIENTED PROGRAMMING METHODOLOGY		<input type="text"/>	
Subject Code No. : <input type="text"/> 3 <input type="text"/> 6 <input type="text"/> 1 <input type="text"/> 9		Section No. (1, 2,.....) : <input type="text"/> NIL	
		Student's Signature	

- 1 Do as Directed: 6
- (a) Describe the characteristics of Object-oriented programming languages. 6
- (b) Write a note on Data types of C++. 4
- (c) Explain structure of C++ program. 4
- 2 Attempt any 2 from the followings. 14
- (a) Why there is a need for constructor? Define constructor using proper example.
- (b) Discuss inline and copy constructor using proper example.
- (c) Explain parameterized constructor with proper example.
- 3 Attempt the followings: 10
- (a) Explain the importance of operator overloading. 10
- Define operator overloading with its syntax. Explain it by overload the + operator for string class.

OR

- (a) Give the example of multi level inheritance. 10
- (b) Describe rules of operator overloading. 4

- 4 Attempt any 2 from the followings. 14
- (a) Define: class. Give the general form of class declaration. Explain visibility levels.
 - (b) How can you define objects and accessing class members in C++? Explain with giving syntax.
 - (c) Explain nesting of member function using proper example.
- 5 Do as directed.
- (a) Explain static data member with its characteristics using proper example. 5
- OR**
- (a) Explain friend function using proper example. 5
 - (b) Write a note on polymorphism. 5
 - (c) Explain effect of inheritance on the visibility of members. 4
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