



DF-3021

**Second Year B. Sc. (Computer Science)
(Sem. III) Examination**

March / April - 2016

Course-301 : Object Oriented Programming : C++

Time : 2 Hours]

[Total Marks : 50

Instruction :

नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
SECOND YEAR B. Sc. (COMPUTER SCIENCE) (SEM. 3)	<input type="text"/>
Name of the Subject :	<input type="text"/>
COURSE 301 : OBJECT ORIENTED PROGRAMMING : C++	<input type="text"/>
Subject Code No. : <input type="text"/> 3 <input type="text"/> 0 <input type="text"/> 2 <input type="text"/> 1	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> Nil	
Student's Signature	

- 1 Answer the following : 10
- (1) Explain the use of this pointer.
 - (2) Explain abstract class.
 - (3) Explain importance of static function.
 - (4) Explain the importance on inline function.
 - (5) Explain the role of constructor and destructor.
- 2 (a) Explain parameterized constructor with proper example. 7
- OR**
- (a) Explain virtual and pure virtual function with proper example. 7
- (b) Explain reading and writing operation on file with example. 8
- 3 (a) Differentiate private, protected and public access specifiers. 7
- (b) Explain copy constructor with proper example. 8
- OR**
- (b) Explain multilevel inheritance with proper example. 8

4 Answer any two from following :

10

- (1) Operator overloading using friend functions
 - (2) Multiple inheritance
 - (3) Formatted I/O in files.
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