



**A-3021**

**Second Year B. Sc. (Sem. III)**

**(Computer Sci.) Examination**

**March/April – 2015**

**Paper - II : Object Oriented Programming : C++**

Time : Hours]

[Total Marks : 50

**Instruction :**

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<b>Second Year B. Sc. (Sem. III) (Computer Sci.)</b>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<b>Paper - II : Object Oriented Programming : C++</b>	<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
- (a) Define inline functions within a class.
  - (b) What do you mean by dynamic allocation operators?
  - (c) How to define default function arguments ? Why is it use ?
  - (d) List out various operators which are overloaded and not overloaded.
  - (e) What is Virtual function? Give example of it.

- 2 (A) Explain advantages and drawbacks of object-oriented programming. 6

**OR**

- 2 (A) Explain virtual base classes with proper example. 6  
(B) Explain how to handle derived class. 4

- 3 (A) Explain various built-in functions of I/O file with example. 6  
(B) Describe copy constructors. 4

**OR**

- 3 (A) Describe how to passing objects and returning objects from function. 6  
(B) Explain Overloading constructor. 6

- 4 (A) Write short note. (any one) **7**
- (1) Inheritance
  - (2) Reading and writing text files functions with example.
- (B) What is pointers to objects? Describe it with example. **3**
- 5 Answer in detail any two from following : **10**
- (1) Constructors and destructors
  - (2) Friend function
  - (3) Applying generic functions in templates.
-