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 :

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

A-3021] [Contd...
4 (A) Write short note. (any one)
   (1) Inheritance
   (2) Reading and writing text files functions with example.
   (B) What is pointers to objects? Describe it with example.

5 Answer in detail any two from following:
   (1) Constructors and destructors
   (2) Friend function
   (3) Applying generic functions in templates.