



P-3734

Second Year B. C. A. (Sem. III) Examination

March/April – 2014

305 : Object Oriented Programming

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशविल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
Second Year B. C. A. (Sem. 3)

Name of the Subject :
305 : Object Oriented Programming

Subject Code No. : **3 7 3 4** Section No. (1, 2,.....) : **NIL**

Seat No.

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Student's Signature

(2) All questions are compulsory.

(3) Figures to the right indicate full marks.

1 Answer any seven :

14

- What is the syntax of derived constructor?
- What is abstract class & when it is used?
- Which methods cannot call through an object?
- List out the operators where friend cannot be used.
- Explain copy constructor.
- Explain default arguments with example.
- What are the characteristic of static data member?
- What are the rules for the Binary operator overloading using friend?

2 Do as directed :

14

- What is file mode? Explain various file modes. 7
- What is inheritance? Explain multilevel and multiple with example. 7

OR

- List out the features of Object Oriented Programming. Write a note on encapsulation and polymorphism. 7
- What is constructor? Explain parameterized and copy constructor with proper example 7

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[Contd...

- 3 Answer the following : 14
- (a) What is type conversion? Explain basic to class type with proper example. 5
 - (b) How to access the member if inheritance is private ? 5
 - (c) Explain read() and write() function of binary file. 4
- OR
- 3 (a) What is Polymorphism? Differentiate between Compile time and Runtime Polymorphism. 5
- (b) Explain try and catch block with proper example. 5
 - (c) Explain following function with proper example width(), fill(), precision(), open() 4
- 4 Do as directed : (Any two) 14
- (a) What is containership? Explain how it is different from inheritance.
 - (b) Explain static data and static member function with proper example.
 - (c) Design the single manipulators to provide the following output specification for printing the float values :
 - (i) 12 column width
 - (ii) 2 digit precision
 - (iii) Right justified
 - (iv) Filling Unused space with '\$'
 - (v) Display the trailing zeros and also + sign
- 5 Answer the following : (any two) 14
- (a) Create a binary file for some organization contain the information of Emp_id, name, Basic, HRA, DA, Net Salary. Write a program to copy the content of this file to another file where the Net Salary is greater than 10,000. ○
 - (b) Write a program to overload the == and += operator (String object).
 - (c) Create a class POUND that store that data in pound and class RUPEES that store the data in rupees. Perform the operation from pound to rupees.