



**A-1725**  
**B.Sc. (I.T.) (Sem. III) Examination**  
**March / April – 2015**  
**Object Oriented Programming**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

<p>नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : B.SC. (I.T.) (SEM. III)</p> <p>Name of the Subject : OBJECT ORIENTED PROGRAMMING</p> <p>Subject Code No. : 1 7 2 5 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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1 Answer the following. (Any THREE) 18

1. Write a note on OOP. Differentiate between procedure oriented programming and object oriented programming by giving advantages and disadvantages.
2. Write a note on type conversion with example.
3. Write a note on references in C++ with function passing references. What is difference between a reference and a pointer? Explain with example.
4. Write a note on virtual function with example.

2 Answer the following. (Any THREE) 18

1. Explain data hiding in detail with example.
2. Differentiate between overloading and overriding
3. Write a note on console IO in C++ along with manipulators.
4. What is inheritance? When ambiguity occurs in hybrid inheritance? How to solve the ambiguity'?

- 3** Answer the following. (Any TWO). **18**
1. C++ program to display dimensions of shapes like triangle, circle, rectangle etc. and take input of 10 shapes dimensions and display them in ascending order of their area.
  2. Develop String class and overload + and \* operators.
  3. Write a C++ program for temperature converter (From Celsius -to Farenheit and vice versa)
- 4** Do as directed. (Any FOUR) **16**
- 1 Explain exception handling with example.
  - 2 Explain function template with example.
  - 3 Write a note static data member and member function with example.
  4. Write a note on classes used for file programming in C++ along with a program to write to and read string from a file.
  5. Write a C++ program find to number of words in a file.
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