

R

Roll No.

Total Pages : 4

11756/NJ

D-1/2111

OBJECT ORIENTED PROGRAMMING

WITH C++

Paper-1107T

Semester-I

Time Allowed : 3 Hours] [Maximum Marks : 30

Note : The candidates are required to attempt **two** questions each from Sections A and B carrying 4 marks each and the entire Section C consisting of 7 short answer type questions carrying 2 marks each.

11756/NJ/602/W/810

[P. T. O.

SECTION—A

1. Define and distinguish between Procedure oriented and Object oriented programming. 4
2. Define the following : 4
 - (a) Keywords.
 - (b) Manipulators.
 - (c) Breaking control statements.
3. Discuss the features and uses of different storage classes. 4
4. Write a program to search a number in a given list of numbers. 4

SECTION—B

5. (a) Define and distinguish between Class and Object. 2

11756/NJ/602/W/810 2

- (b) What is a “this” pointer? Explain its use with the help of suitable example.
6. What are different types of Scopes? Explain giving examples. 4
7. Write a program to implement Multiple inheritance. 4
8. Define Operator overloading. How unary operators are overloaded? Explain giving examples. 4

- (iii) What do you mean by parameter passing by reference?
- (iv) How ambiguity is resolved in multiple inheritance?
- (v) What do you mean by a container class?
- (vi) What do you mean by indirect base class?
- (vii) How an abstract base class is defined?

SECTION—C

9. Write short notes on the following : 7×2=14
- (i) How new and delete operators are used?
- (ii) Distinguish between function overloading and function redefinition.