Unit-I V

8. Write a C++ Program to create a file with odd numbers and create another file with set of even numbers and Merge these two files and store it into another file. 7½

9. Explain the following: 7½

   (i) Inheritance

   (ii) Constructors

   (iii) Virtual Function

   (iv) Function Overloading

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S-774

B.A./B.Sc. (Part II) Examination, 2015

(New Syllabus)

COMPUTER APPLICATION

Third paper

(Object Oriented Programming with C++)

Time Allowed : Three Hours]   [Maximum Marks : 50

Note : Answer five questions in all. Question No.1 is compulsory. Answer one question from each of the four Units.

1. (a) Is C++ is an object oriented language? How. $2 \times 10 = 20$

   (b) What are benefits of object oriented language?

   (c) Explain the statement '# include'

   (d) Define Inline function in C++?

(e) Explain the Logical Operators in C++?

(f) What is the difference between static bind-

ing and dynamic binding?

(g) What do you mean by Pure Virtual Fuction

in C++? Explain with example.

(h) What is the use of 'Inline' function in C++?

(i) Define Class? How class and object of the

class are created? Explain with example.

(j) How will you achieve Information hiding

in C++?

Unit-I

2. Compare the features of Object Oriented Pro-

gramming with the features of Procedure Ori-

ented Programming?   7½

3. Explain the following with Example?   7½

(i) Encapsulation

(ii) Polymorphism

(iii) Oop Benefits

Unit-II

4. Explain various looping Structures available in

C++. Explain each one with their syntax and

example?   7½

5. What is difference between Array and String?

How one-dimensional array and two dimen-

sional Arrays are declared and Initialized.

Write a C++ program to Add two [3×3]

Martrius. Assum A[3×3] and B[3×3].   7½

Unit-III

6. Explain the concept of call by value and call by

Reference with Suitable C++ Programming

example.   7½

7. Explain Compile-time Polymorphism and Run

time Polymorphism in detail with suitable Ex-

ample.   7½