Paper-III

C++ with Introduction to Object Oriented Programming

SECTION-A

1.	(a)	Explain the various basic data types.
	(b)	Explain the hierarchy of operators in C++ along with
		examples. 10

2.	(a) Differenctiate between structure and union.	8
	(b) How do we declare structure and union in C++?	6
	(c) How do we access an individual member of structure a	nd
	union in C++?	6
3.	Write and explain the syntax of all control structures used	in
	C++ with examples.	20
4.	(a) Write Program in C++ to implement Binary Searching.	10
	(b) Write Program in C++ to implement Matrix Multiplication	on.
	y with all significations are made to the William	10
5.	(a) Explain the various string functions in C++.	10
	(b) Explain the varios manipulators in C++.	10
	SECTION-B 213 La controller 2	
6.	(a) Differentiate between procedural and object orient	ed
	programming.	14
	(b) Differentiate between abstraction and encapsulation.	6
7.	Differentiate constructors and destructors. How they are declar	red
	in C++? Explain their use by any C++ program.	20
8.	Define Polymorphism and its types. How canwe implement	the
	concept of Compiles Time Polymorphism in C++ ? Explain	he
	concept with the help of any program.	20
9.	(a) What is the significance of 'this' pointer in C++?	10
	(b) Explain the concept of friend function in C++.	10
10.	Explain the various types of inheritance. Give examples of ea	ich
	and every type of inheritance in C++.	20