MODULE 4.1(C++ Basics)

QUE:2 What is OOP? List OOP concepts.

ANS:

In order to remove some of the flows of POP, OOP came into existence.

OOP treats data as critical element in program development and does not allow it to flow freely around the system.

It ties the data more closely to the function that operates on it.

OOP allows decomposition of program into a few entities called objects & then builds data and function around these objects.

OOP concepts:

1. Class
2. Object
3. Polymorphism
4. Encapsulation
5. Abstraction
6. Inheritance

QUE:3 What is the difference between OOP and POP?

	OOP	**POP**
Definition	OOP stands for object-oriented Programming	POP stands for procedure-oriented programming
Approach	Bottom-up approach	Top-down approach
Division	Program is divided into objects.	Large program is divided into small known as function.
Data hiding	Encapsulation is used to hide data.	All data is accessible globally.
Example	C++	C