OOPS CONCEPT

MODULE:4

Q.1 What is OOP? List OOP concepts.
Ans:-

Object-Oriented Programming or OOPs refers to languages that use objects in programming. Object-oriented programming aims to implement real-world entities like inheritance, hiding, polymorphism, etc in programming. The main aim of OOP is to bind together the data and the functions that operate on them so that no other part of the code can access this data except that function.

OOPS Concepts:
- Class
- Objects
- Data Abstraction
- Encapsulation
- Inheritance
- Polymorphism
- Dynamic Binding
- Message Passing

Q.2 What is the difference between OOP and POP?

Ans:-

OOP	POP
Object oriented.	Structure oriented.
Program is divided into objects.	Program is divided into functions.
Bottom-up approach.	Top-down approach.
Inheritance property is used.	Inheritance is not allowed.
It uses an access specifier.	It doesn't use an access specifier.
Encapsulation is used to hide the data.	No data hiding.
Concept of virtual function.	No virtual function.
Object functions are linked through message passing.	Parts of the program are linked through parameter passing.
Adding new data and functions is easy	Expanding new data and functions is not easy.
The existing code can be reused.	No code reusability.
use for solving big problems	Not suitable for solving big problems.
C++, Java.	C, Pascal.