Data Hiding	Encapsulation
1- It focuses on hiding the data usuage & it associated with data security	It can be defined as a wrapping up of data into a single module.
2- The data is always Private & inaccessible.	Encapsulation data canbe private or public, depending on the requirements.

Encapsulation	Abstraction.
It can be defined as a wrapping up of data into a single Module.	It Hides the implementation details and show only the functionality to user.
Hides data for security purpose	Hides implementation details to reduce the complexity
It is implemented using private, protected access modifiers -	It is implemented using Abstract class and interface.

Class	Object
class is a blue print or prototype	object is an instance of a class.
Logical identity	physical identify
does't allocate Memory	Allocate Memory
e.g class Employee :	obj = Employee ():

M. Overloading	M. Overridding
It occurs with in the same class.	It occurs between the two classes.
Inheritance is not involved	Inheritance is involved.
Return type do not affect overloading,	Return type and method name must be same.
Parameters must be different	Parameter must be same.

Abstract Class	Interface
In abstract class method may be abstract as well as non abstract.	In interface there are only abstract method.
→ constructor contain	doesnot contain any constructor
→ Abstract classes are extends	it is implemented by a class.
→ does not support multiple inheritance	support multiple inheritance