IITM GROUP OF INSTITUTIONS, MURTHAL SONIPAT

DEPARTMENT: BACHELOR OF COMPUTER AND APPLICATION

SUBJECT NAME: OBJECT ORIENTED PROGRAMMING(BCA-210B)

*NOTE: SUBJECT TOPIC WISE + DETAILED QUESTION ANSWERS

UNIT : 1 OBJECT ORIENTED CONCEPT

QUESTION 1 **Difference between Procedural Programming and Object Oriented Programming?**
SOLN

PROCEDURAL ORIENTED PROGRAMMING	OBJECT ORIENTED PROGRAMMING
In procedural programming, program is divided into small parts called *functions*.	In object oriented programming, program is divided into small parts called *objects*.
Procedural programming follows *top down approach*.	Object oriented programming follows *bottom up approach*.
There is no access specifier in procedural programming.	Object oriented programming have access specifiers like private, public, protected etc.
Adding new data and function is not easy.	Adding new data and function is easy.
Procedural programming does not have any proper way for hiding data so it is *less secure*.	Object oriented programming provides data hiding so it is *more secure*.

PROCEDURAL ORIENTED PROGRAMMING	OBJECT ORIENTED PROGRAMMING
In procedural programming, overloading is not possible.	Overloading is possible in object oriented programming.
In procedural programming, function is more important than data.	In object oriented programming, data is more important than function.
Procedural programming is based on *unreal world*.	Object oriented programming is based on *real world*.
Examples: C, FORTRAN, Pascal, Basic etc.	Examples: C++, Java, Python, C# etc.

QUESTION:2 WHAT ARE THE CHARACTERISTICS OF OOPS?

SOLN