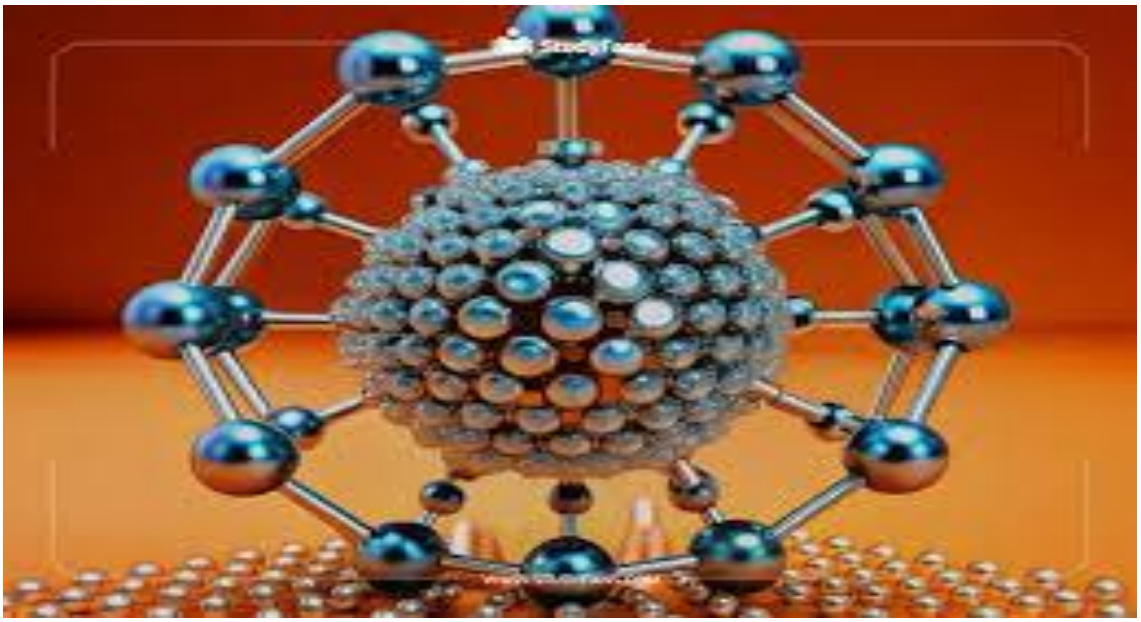
Nanophysics --- Nanotechnolog



1- Principles and Practices :

Nano science is the study of phenomena and materials at the nanometer scale.

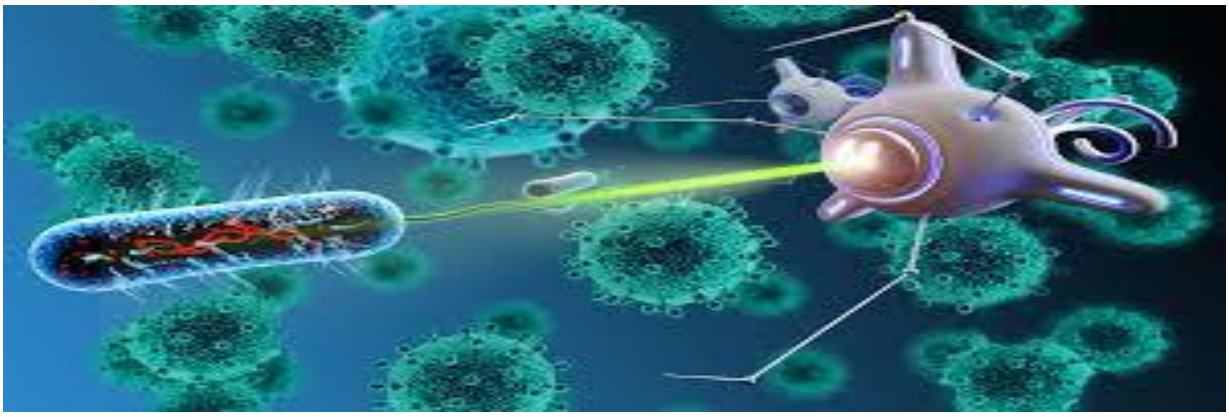
Nanotechnology is the understanding and control of these materials at this scale to enable new applications.

Nano engineering is the engineering branch of applied science that deals with all aspects of the design, construction, and use of Nano scale structures, materials, and devices.

Factor	Symbol	Prefix	Factor	Symbol	Prefix
10^{-18}	a	atto	10^{1}	da	deka
10^{-15}	f	femto	10^{2}	h	hecto
10^{-12}	p	pico	10^{3}	k	kilo
10^{-9}	n	nano	10^{6}	M	mega
10^{-6}	μ	micro	10^{9}	G	giga
10^{-3}	m	milli	10^{12}	T	tera
10^{-2}	c	centi	10^{15}	p	peta
10^{-1}	d	deci	10^{18}	E	exa

Over the past years, the scientific world has witnessed a dramatic interest in nanotechnology with research contributions from physicists, chemists, biologists a well as scientists working in the medical, agricultural, textile and environmental fields.

A nanometer is one billionth of a meter (10^{-9} m) and is about one hundred thousand times smaller than the diameter of a human hair and a thousand times smaller than a red blood cell



Nano technology is thus the technology of materials

