PPSC Chemistry Part VII NanoChemistry Online Test

Sr	Questions	Answers Choice
1	The orientation of a crystalline surface is confidently defined in terms of.	A. Lijima Indices B. Miller indices C. Clausen indices D. None
2	In confining and growing nano roade CNTs will act as.	A. Template B. Support C. Source of oxidant D. Sieve
3	Who prepared and explained nano tubes for the first time.	A. Sumio Tijima B. Richard Smaley C. Erick Drexler D. Richard Feynamann
4	The suffix '-ene' in the name of fullerene shows the presence of ___ in the molecule.	A. One triple bond B. One double bond C. Two single bonds D. Two triple bonds
5	1 nanometre =_____ cm	A. 10⁻⁹ B. 10⁻⁸ C. 10⁻⁷ D. 10⁻⁶
6	The width of a typical DNA molecule is _____nm	A. 1 B. 2 C. 5 D. 10
7	"There is a plenty of room at the bottom" This was stated by	A. Issac Newton B. Albert Einstein C. Richard Feynman D. Eric Drexler
8	The most important problem regarding nano chemistry	A. Elucidation of relationship between also and chemical reactivity of particle B. Determination of size of particle C. Determination of reactivity of particle D. Determination of physical properties of nano particles.
9	In radial direction the thermal conductivity of a nano tube is _____ watt/(m.k)	A. 3500 B. 385 C. 0 D. 350
10	The diameter of a bucky ball is about _____	A. o 1 A B. 1 nm C. o 100 A D. 10 nm
11	The diameter of fly ash particles is._____ micro meter	A. 5-10 B. 10-20 C. 20-30 D. 100
12	The capacity of normal human eye to see the smallest object is _____ micro meter	A. 10000 B. 1000 C. 100 D. 10
13	Which of the microscope techniques is similar to the Atomic Force Microscopy (AFM)	A. Scanning Electron Microscopy B. Scanning Tunneling Microscopy C. Transmission Electron Microscopy D. None of the above
14	Who coined the word nanotechnology.	A. Eric Drexler B. Richard Feynamann C. Sumio tijma D. Richard smalley

15	What is abuckyball	A. A carbon molecule B. Nickname for Mercedes -Benz's futuristic concept car (CIII) C. Plastic explosives nanoparticle (C4) D. Concrete nanoparticle with a compressive strength of 20 nanonewtons(C20)
16	The hardest material found in nature is	A. Steel B. Topaz C. Diamond D. Quartz
17	When a large block of silicon wafer is reduced to smaller component and hence non material is formed this approach is called.	A. Bottom up B. Top down C. Left to right D. Right to left
18	Attention should be focused on qualitative changes in particle properties as a function of.	A. Particle numebrs B. Particle mass C. Particle size D. Particle density
19	How many oxygen atoms lined up in a now would fit in a one nanometer speace.	A. None an oxygen atoms is bigger than 1 nm B. One C. Seven D. None of the above
20	Which of the following does not apply to nanotechnology.	A. It is a general purpose technology B. It can be called Green technology C. Newtonian mechanics can describe it. D. It involves rearrangement of atoms