

PPSC Chemistry Part VII NanoChemistry Online Test

Sr	Questions	Answers Choice
1	Fullerene or bucky ball is made up of _____ carbon atoms.	A. 100 B. 20 C. 75 D. 60
2	The diameter of hydrogen atom is. _____nm	A. 10 B. 1 C. 0.1 D. 0.01
3	Who coined the word nanotechnology.	A. Eric Drexler B. Richard Feynmann C. Sumio tijma D. Richard smalley
4	Which of these historical works of art contain nanotechnology.	A. Lycurgus cup B. Medieval stained glass windows in churches C. Damascus steel swords D. All of the above
5	Alpha hematite nano tubes show dimensional magnetic ordering at temperature laser than 300 K.	A. 0 B. 1 C. 2 D. 3
6	Stablization of particles and their reactivity is affected by.	A. Surface properties B. Bulk properties C. Regardless to the surface properties D. No of particles
7	The hardest material found in nature is	A. Steel B. Topaz C. Diamond D. Quartz
8	Length of semiconductor nanorods are in the range of.	A. 1.50 nm B. 1-50 micro meter C. 100-500 nm D. 50-100 nm
9	Greeks and Romans had used nanoparticles in the manufacture of.	A. Cosmetics for eyes B. Medicines C. Metals D. Hair -dye
10	The physical methods of nano roads syntheses involves.	A. Top down approach B. Bottom up approach C. Left right approach D. Right left approach
11	Nanoscience can be studied with the help of	A. Quantum mechanics B. Newtonain mechanics C. Macro dynamics D. Grophysics
12	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)
13	In a bucky ball each carbon atom in bound in _____ adjacent carbon atoms.	A. 1 B. 2 C. 3 D. 4
14	Nano technology in other words is.	A. Carbon engineering B. Atomic engineering C. Small technology D. ...

D. Microphysics

15	Which of the following techniques is bulk technique.	<p>A. Powder XRD</p> <p>B. Single Crystal XRD</p> <p>C. SEM</p> <p>D. TEM</p>
16	Attention should be focused on qualitative changes in particle properties as a function of.	<p>A. Particle numebers</p> <p>B. Particle mass</p> <p>C. Particle size</p> <p>D. Particle density</p>
17	The diameter of a bucky ball is about _____	<p>A. <div> o</div>1 A</p> <p>B. 1 nm</p> <p>C. <div> o</div>100 A</p> <p>D. 10 nm</p>
18	The tensile strength of a carbon nanotube is _____ times that of steel.	<p>A. 10</p> <p>B. 25</p> <p>C. 100</p> <p>D. 1000</p>
19	The prefix 'nano' comes from a	<p>A. French word meaning billion</p> <p>B. Greek word meaning dwarf</p> <p>C. Latin word meaning invisible</p> <p>D. Spanish word meaning particle</p>
20	Nano particles may interact with the support to be.	<p>A. Partially oxidized</p> <p>B. Partically reduced</p> <p>C. Both a and b</p> <p>D. None</p>