

PPSC Chemistry Part VII NanoChemistry Online Test

Sr	Questions	Answers Choice
1	Nanoscience can be studied with the help of	A. Quantum mechanics B. Newtonian mechanics C. Macro dynamics D. Grophysics
2	Egyptians were using _____ to prepare make up for eyes.	A. Nanoaluminium B. Nanocopper C. Nanosteel D. Nanolead
3	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
4	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)
5	The smallest cluster of carbon atoms in Bucky balls known till today consists of _____ carbon atoms.	A. 75 B. 20 C. 60 D. 15
6	20 micron = _____ nm	A. 20×10^{-9} B. 20000 C. 200 D. 20×10^9
7	The size of nanoparticles is between _____ nm	A. 100 to 1000 B. 1 to 100 C. 0.1 to 10 D. 0.01 to 1
8	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
9	Who was the first scientist to describe that substance having Nano dimensions possess altogether different and unique properties.	A. Richard Feynamann B. Erick Drexler C. Archimedes D. Michael Faraday
10	Who prepared and explained nano tubes for the first time.	A. Sumio Tijima B. Richard Smaley C. Erick Drexler D. Richard Feynamann
11	The tensile strength of a carbon nanotube is _____ times that of steel.	A. 10 B. 25 C. 100 D. 1000
12	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.
13	The particles of about 1 nm need _____ activation energy to enter either aggregation processes or reactions to give to new chemicals.	A. Higher B. Lesser C. No D. All above
		A. Carbon engineering

14	Nano technology in other words is.	<p>B. Atomic engineering</p> <p>C. Small technology</p> <p>D. Microphysics</p>
15	1 nanometre = _____ cm	<p>A. 10^{-9}</p> <p>B. 10^{-8}</p> <p>C. 10^{-7}</p> <p>D. 10^{-6}</p>
16	Stablization of particles and their reactivity is affected by.	<p>A. Surface properties</p> <p>B. Bulk properties</p> <p>C. Regardless to the surface properties</p> <p>D. No of particles</p>
17	The thermal conductivity of an SWNT along length is _____ watt/(m.k)	<p>A. 35</p> <p>B. 330</p> <p>C. 386</p> <p>D. 3500</p>
18	The diameter of hydrogen atom is. _____ nm	<p>A. 10</p> <p>B. 1</p> <p>C. 0.1</p> <p>D. 0.01</p>
19	A considerable number of atoms pertaining to the surface _____ with the decreasing the particle size.	<p>A. Increase</p> <p>B. Decrease</p> <p>C. No effect</p> <p>D. Both a and b</p>
20	The size of E coli bacteria is. _____ nm	<p>A. 75000</p> <p>B. 2000</p> <p>C. 200</p> <p>D. 5</p>