

PPSC Chemistry Part VII NanoChemistry Online Test

Sr	Questions	Answers Choice
1	The ration of thermal conductivity of silver to that of a carbon nanotube is.	A. 100 : 1 B. 1 :100 C. 10:1 D. 1:10
2	Opticla tweezers	A. Are used to remove facial hair with miniaturized laser beams B. use light to manipulate particles as small as single atom C. Are a nanotechnology bases tool for stamp collectors D. Don't exist
3	The width of a carbon nano tube is._____ nm	A. 1 B. 1.3 C. 2.5 D. 10
4	Who coined the word nanotechnology.	A. Eric Drexler B. Richard Feynmann C. Sumio tijma D. Richard smalley
5	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)
6	The capacity of normal human eye to see the smallest object is _____ micro meter	A. 10000 B. 1000 C. 100 D. 10
7	The tensile strength of a carbon nanotube is _____ times that of steel.	A. 10 B. 25 C. 100 D. 1000
8	The full form of STM is	A. Scanning Tunneling Microscope B. Scientific Technical Microscope C. Systematic Technical Microscope D. SuperTensile Microscope
9	Nano technology in other words is.	A. Carbon engineering B. Atomic engineering C. Small technology D. Microphysics
10	What does 'F' stand for in AFM.	A. Fine B. Front C. Force D. Flux
11	In radial direction the thermal conductivity of a nano tube is _____ watt/(m.k)	A. 3500 B. 385 C. 0 D. 350
12	1 meter = _____ nm	A. 10^{9} B. 10^{-9} C. 10^{10} D. 10^{-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	Fullerene or bucky ball is made up of _____ carbon atoms.	A. 100 B. 20 C. 75

15 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

16 A considerable number of atoms pertaining to the surface _____ with the decreasing the particle size.

A. Increase
B. Decrease
C. No effect
D. Both a and b

17 Which of the following is class of nanorods

A. metals
B. alloys
C. Metal oxide and Metal sulphite
D. All of the above

18 Egyptians were using _____ to prepare make up for eyes.

A. Nanoaluminium
B. Nanocopper
C. Nanosteel
D. Nanolead

19 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

20 Nanoscience can be studied with the help of

A. Quantum mechanics
B. Newtonain mechanics
C. Macro dynamics
D. Graphysics
