

PPSC Chemistry Part VII NanoChemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | Who prepared and explained nano tubes for the first time. | A. Sumio Tijima B. Richard Smaley C. Erick Drexler D. Richard Feynamann |
| 2 | The width of a carbon nano tube is. _____ nm | A. 1 B. 1.3 C. 2.5 D. 10 |
| 3 | The capacity of normal human eye to see the smallest object is _____ micro meter | A. 10000 B. 1000 C. 100 D. 10 |
| 4 | The thermal conductivity of an SWNT along length is _____ watt/(m.k) | A. 35 B. 330 C. 386 D. 3500 |
| 5 | In radial direction the thermal conductivity of a nano tube is _____ watt/(m.k) | A. 3500 B. 385 C. 0 D. 350 |
| 6 | The electrical conductivity of a nano tube is _____ times that of copper. | A. 10 B. 100 C. 1000 D. 1/100 |
| 7 | In compressive strength of a nanotube _____ its tensile strength. | A. Is less than B. Is greater than C. Is equal to D. Less than or equal to. |
| 8 | The smallest cluster of carbon atoms in Bucky balls known till today consists of _____ carbon atoms. | A. 75 B. 20 C. 60 D. 15 |
| 9 | Which ratio decides the efficiency nano substance. | A. Weight /volume B. Surface area/volume C. Volume/weight D. Pressure/volume |
| 10 | What does 'F' stand for in AFM. | A. Fine B. Front C. Force D. Flux |
| 11 | The full form of STM is | A. Scanning Tunneling Microscope B. Scientific Technical Microscope C. Systematic Technical Microscope D. SuperTensile Microscope |
| 12 | The width of a typical DNA molecule is _____ nm | A. 1 B. 2 C. 5 D. 10 |
| 13 | 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 |
| 14 | 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 |
| 15 | Egyptians were using _____ to prepare make up for eyes. | A. Nanoaluminium B. Nanocopper C. Nanosteel D. Nanogold |

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| 16 | Greeks and Romans had used nanoparticles in the manufacture of. | A. Cosmetics for eyes B. Medicines C. Metals D. Hair -dye |
| 17 | Nanoscience can be studied with the help of | A. Quantum mechanics B. Newtonian mechanics C. Macro dynamics D. Graphysics |
| 18 | Who coined the word nanotechnology. | A. Eric Drexler B. Richard Feynmann C. Sumio Iijima D. Richard Smalley |
| 19 | 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 |
| 20 | Fullerene or bucky ball is made up of _____ carbon atoms. | A. 100 B. 20 C. 75 D. 60 |