

## NAT I Engineering

Sr	Questions	Answers Choice
1	Ammonia gas used directly as a fertilizer is injected into the soil at a depth of about.	A. Two inches B. three inches C. Five inches D. Six inches
2	A zero order reaction is one whose rate is independent of.	A. Temperature of the reaction B. The concentration of the reactants C. The concentration of the products D. The material of the vessel in which the reaction is carried out
3	When electrons revolve in stationary orbits.	A. There is no change in energy level B. They become stationary C. They are gaining kinetic energy D. There is increase in energy
4	Which of the following possesses the highest melting point?	A. o-Dichlorobenzene B. Chlorobenzene C. m-Dichlorobenzene D. p-Dichlorobenzene
5	When a carbon atom forms single bonds with other carbon atoms, these hybrid orbitals overlap with the orbitals of hydrogen to form four bonds which are.	A. Three sigma and one Pi B. Two sigma and two Pi C. One sigma and three Pi D. Sigma
6	How many moles of Helium gas occupy 22.4 L at 0 °C at 1 atm pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
7	The number of electron in the M shell of the element with atomic number 24 is.	A. 8 B. 12 C. 13 D. 24
8	The digestion of fats is the interaction is aided by	A. Diffusion B. Protection C. Pectization D. Emulsification
9	The rate of a reaction that does not involve gases, does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
10	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
11	Which of the following represents elements in order of increasing atomic size?	A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K
12	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
13	Crystal can be classified into ..... basic crystal habits.	A. 3 B. 4 C. 7 D. 14
14	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of gas B. Temperature of the gas C. Volume of the gas D. Pressure, temperature, and volume of the gas
15	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether

15	Acetylene is oxidized to ethylene oxide	C. Ethylene D. Acetaldehyde
16	Acid rain produced by	A. Excess NO <sub>2</sub> and SO <sub>2</sub> from burning fossil fuel B. Excess production of NH <sub>3</sub> by industry and coal gas C. Excess release of carbon monoxide by incomplete combustion D. Excess formation CO <sub>2</sub> by combustion and animal respiration
17	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and Natural methods D. None of these
18	Which of the following has least mass?	A. 2 gram atom of nitrogen B. $3 \times 10^{23}$ atoms of C C. 1 mole of S D. 7.0 g of Ag
19	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
20	Which of the following pairs are chemically dissimilar?	A. Na and K B. Be and Sr C. Zr and Hf D. Ca and Zn