

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	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
2	A current of 9.65 ampere flowing for 10 minutes deposits 3.0 g of the metal which is monovalent. The atomic mass of the metal is	A. 10 B. 50 C. 30 D. 96.5
3	Aldehydes are produced in atmosphere by	A. Oxidation of secondary alcohols B. Reduction of alkenes C. Reaction of oxygen atoms with hydrocarbons D. Reaction of oxygen atoms with ozone.
4	Cyclone collector is used for minimizing	A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution
5	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
6	Chile salt petre is	A. NaNO_3 B. Na_2SO_4 C. KNO_3 D. $\text{Na}_2\text{S}_2\text{O}_3$
7	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
8	Acid rains are produced by	A. Excess NO_2 and SO_2 from burning fossil fuels B. Excess production of NH_3 by industry and coal gas C. Excess release of carbon monoxide by incomplete combustion D. Excess formation of CO_2 by combustion and animal respiration
9	The formula of nitre is	A. KNO_3 B. NaNO_2 C. NaCl D. Na_2CO_3
10	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
11	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
12	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
13	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
14	The total pressure exerted by a number of non-reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charle's law C. Avogadro's law D. Dalton's law

15	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None
16	The maximum number of electrons in a subshell for which $l = 3$ is	A. 14 B. 10 C. 8 D. 4
17	Which one is not usually used for the crystallization?	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
18	The heat evolved in combustion of rhombic and monoclinic sulphur are -70960 and $-71030 \text{ cal mol}^{-1}$ respectively. What will be heat of conversion of rhombic sulphur to monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
19	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
20	Which of the following fluorides does not exist?	A. NF_5 B. PF_5 C. AsF_5 D. SbF_5