

## NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Red lead is	A. PbO B. $Pb_3O_4$ C. $PbO_2$ D. $Pb_4O_3$
2	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
3	Salol is prepared from	A. Salicyclic acid and phenol B. Salicyclic acid and methyl alcohol. C. Both D. None
4	Which of the following transition metal ions will have definite value of magnetic moment?	A. $Sc^{3+}$ B. $Ti^{3+}$ C. $Cu^{+}$ D. $Zn^{2+}$
5	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
6	By using the fluted filter paper rate of filtration is	A. Increased B. Decreased C. Filtration is constant D. Having no effect
7	Heating a micture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
8	Enzymes are	A. Proteins B. Minerals C. Oils D. Fatty acids
9	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
10	Which of the following substances is used as an antiknock compound?	A. Tetraethyl lead B. Lead tetrachloride C. Lead acetate D. Ethyl acetate
11	Which of the substances Na, Hg, S, Pt and graphite can be used as electrodes in electrolytic cells having aqueous solution?	A. Na, Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
12	If $N_A$ is Avogadro's number, then number of valence electrons in 4.2 g of nitride ions $N^{3-}$ is	A. $2.4 N_A$ B. $4.2 N_A$ C. $1.6 N_A$ D. $3.2 N_A$
13	How many moles of Helium gas occupy 22.4 L at $0^\circ C$ at a atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
14	The heat evolved in combustion of rhombic and monoclinic sulphur are -70960 and -71030 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
15	Acetic anhydride is obtained from acetyl chloride by the reaction of	A. $P_2O_5$ B. $H_2SO_4$ C. $CH_3COONa$ D. ...

16	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene
17	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$ ?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
18	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
19	Which one is the property of an ideal solvent?	A. Should be expensive B. It should react chemically with the solute C. Impurities should crystallize along with the solute D. Should be safe to use
20	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit