NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which metal is protected by a layer of its own oxide?	A. Al B. Ag C. Au D. Fe
2	In a crystal a ≠ b ≠ c, a = γ = 90° and β ≠ 90°, it is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
3	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
4	In the equilibrium $N_2 + 3H_2 - 2NH_3 + 22$ kcal the formation of ammonia is favoured by	A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia
5	The number of atoms contained in 11.2 L of SO_2 at S.T.P are	A. 3/2 x 6.02 x 10²³ B. 2 x 6.02 x 10²³ C. 6.02 x 10²³ D. 4 x 6.02 x 10²³
6	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
7	The reference calomel electrode is made from which of the following?	A. ZnCl₂ B. CuSO₄ C. Hg₂Cl₂ D. HgCl₂
8	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
9	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A. -1.86°C B. -3.72°C C. +1.86°C D. +3.72°C
10	1-Chloropropane has two isomers It is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
11	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
12	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
13	Bragg's law is given by equation	A. n λ = 2 θ sin θ B. n λ = 2 d sin θ C. 2nλ = d sin θ D. nλ = 1/2 d sin θ
14	Enzymes are	A. Proteins B. Mineral C. Oils D. Fatty acids

15	Wt. of 112 ml of oxygen at NTP on liquefaction would be	A. 0.32 g B. 0.64 g C. 0.16 g D. 0.96 g
16	Which of the following is a colligative property?	A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature
17	The essential component of organic compound is	A. O B. C C. P D. N
18	Saturated solution of NaCl on heating becomes	A. Super saturated B. Unsaturated C. Remains saturated D. None
19	In a reversible chemical reaction having two reactants in equilibrium if the concentration of the reactants are doubled then the equilibrium constant will	A. Also be doubled B. Be halved C. Becomes one fourth D. Remains the same
20	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