

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
2	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
3	The alkali metal which is liquid at 15°C is	A. K B. Cs C. Na D. None
4	Red lead is	A. PbO B. Pb ₃ O ₄ C. Pb O D. Pb O O O
5	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
6	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
7	Bleaching action of bleaching powder is due to the liberation of	A. O ₂ B. OCl ⁻ C. Cl ₂ D. Cl ⁻
8	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above
9	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
10	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
11	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
12	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
13	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Tl
14	The molal elevation constant is the ratio of the elevation in boiling point to	A. Molarity B. Molality

		C. Mole fraction of solute D. Mole fraction of solvent
15	Which species represents the electrophile in aromatic nitrotaion?	A. NO^2 B. NO_2 C. NO D. NO^3
16	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
17	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
18	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
19	Evaporation of water is	A. An exothermic change B. An endothermic change C. A process where no heat changes occur D. A process accompanied by chemical
20	Which of the following geometry is associated with the compound in which the central atom assumes sp^3 d hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal