

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The weight of 11.2 liters of CO ₂ at S.T.P. would be	A. 88 g B. 44 g C. 32 g D. 22 g
2	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction
3	Mark the smallest atom	A. F B. Cl C. Br D. I
4	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
5	The number of oxygen atoms in 4.4 g of CO ₂ is approximately	A. 1.2×10^{23} B. 6×10^{22} C. 6×10^{23} D. 12×10^{23}
6	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene
7	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
8	The formula of calcium cyanamide is	A. Ca(CN) ₂ B. CaC ₂ N C. CaNCN D. CaCHNH ₂
9	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
10	Gooch crucible used to filter the solution of	A. H ₂ SO ₄ B. HCl C. KMnO ₄ D. Both B & C
11	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
12	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
13	When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen?	A. More ice will be formed B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed
14	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
15	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH ₃ OH B. Silver acetate C. HCHO D. ...

D. Silver mirror

16	Which is the most amphoteric?	A. Na_2O B. MgO C. Al_2O_3 D. CaO
17	In a crystal $a \neq b \neq c$, $\alpha = \gamma = 90^\circ$ and $\beta \neq 90^\circ$, it is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
18	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
19	The rate of a reaction that does not involve gases does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
20	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag