

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
2	Setting of cement is an	A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None
3	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
4	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
5	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
6	If a salt bridge is removed between the two half cells the voltage	A. Drops to zero B. Does not change C. Increases gradually D. Increases rapidly
7	The formula of calcium cyanamide is	A. $\text{Ca}(\text{CN})_2$ B. CaC_2N C. CaNCN D. CaCHNH_2
8	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. CH_3OH B. CH_3NC C. $\text{C}_2\text{H}_5\text{NC}$ D. $\text{C}_2\text{H}_5\text{CN}$
9	The percentage of nitrogen in urea is	A. 46 B. 60 C. 70 D. 80
10	Which of the following has greatest tendency to lose electron?	A. F B. Fr C. S D. Be
11	Leblanc process is employed in the manufacture of	A. Baking soda B. Washing soda C. Potash D. Plaster of paris
12	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
13	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. 2×10^{20} C. 10^{20} D. 6.02×10^{23}
14	One mole of a gas refers to	A. The number of molecules in one litre of gas B. The number of molecules in one gram of gas C. The number of molecules contained in 12 grams of ^{12}C D. The number of molecules in one mole of gas

isotope
D. The number of molecules in 22.4 liters of a gas at S.T.P.

15	Which metal is protected by a layer of its own oxide?	A. Al B. Ag C. Au D. Fe
16	What quantity of limestone (CaCO_3) on heating will give 56 kg of CaO?	A. 1000 kg B. 56 kg C. 44 kg D. 100kg
17	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
18	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
19	Which is the most amphoteric?	A. Na_2O B. MgO C. Al_2O_3 D. CaO
20	The unit of rate constant for a zero order reaction is	A. Liter sec^{-1} B. $\text{Liter mol}^{-1}\text{sec}^{-1}$ C. $\text{Mol liter}^{-1}\text{sec}^{-1}$ D. Mol sec^{-1}