

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	A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphare solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
3	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
4	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
5	Which of the following is acidic?	A. SO ₃ B. N ₂ O C. BeO D. HgO
6	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
7	Inter molecular forces in solid hydrogen are	A. Covalent forces B. Van der Waal forces or London dispersion force C. Hydrogen bonds D. All of these
8	At 500 K the equilibrium constant for reaction cis-C ₂ H ₂ Cl ₂ trans-C ₂ H ₂ Cl ₂ is 0.6. At the same temperature the equilibrium constant for the reaction trans-C ₂ H ₂ Cl ₂ cis-C ₂ H ₂ Cl ₂ will be	A. 0.60 B. 1.67 C. 0.66 D. 2.6
9	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
10	Red lead is	A. PbO B. Pb ₃ O ₄ C. Pb O D. Pb O O
11	The formula of calcium cyanamide is	A. Ca(CN) ₂ B. CaC ₂ N C. CaNCN D. CaCHNH ₂
12	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste

		D. Radio-active fall out
13	Which of the following pairs are chemically dissimilar?	A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn
14	The following has zero valency	A. Na B. Be C. Al D. Kr
15	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
16	2 g oxygen contains number of atoms equal to that in	A. 0.5 g of hydrogen B. 4 g of sulphur C. 7 g of nitrogen D. 2.3 g of sodium
17	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCl D. HI
18	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
19	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
20	The structure of XeF ₆	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above