

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
2	Water (H <sub>2</sub> O) is liquid while hydrogen sulphide (H <sub>2</sub> S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding.
3	The mass of the neutron is of the order of	A. $10^{-23}$ kg B. $1.44444465637207 \times 10^{-24}$ kg C. $1.44444465637207 \times 10^{-26}$ kg D. $1.44444465637207 \times 10^{-27}$ kg
4	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
5	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
6	The number of electrons in the M shell of the element with number 24 is	A. 24 B. 12 C. 13 D. 8
7	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
8	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
9	The number of unpaired electrons in the P-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
10	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3$ D. $\text{SO}_2$
11	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
12	The relative rates of diffusion of a gas (Mol. wt. - 98) as compared to hydrogen will be	A. 1/7 B. 1/5 C. 1/4 D. 1
13	The equilibrium $\text{Cr}_2\text{O}_7^{2-} \rightleftharpoons 2\text{CrO}_4^{2-}$ is shifted to right in	A. An acidic medium B. A basic medium C. A neutral medium D. It does not exist

14	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
15	The structure of $\text{XeF}_6$	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
16	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
17	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
18	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
19	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
20	Which of the following has least mass?	A. 2 gram atom of nitrogen B. $3 \times 10^{23}$ atoms of C C. 1 mole of S D. 7.0 g of Ag.