NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
2	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B₆
3	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
4	Which of the following is acidic?	A. SO₃ B. N₂O C. BeO D. HgO
5	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
6	In the equilibrium $N_2 + 3H_2 - 2NH_3 + 22$ kcal the formation of ammonia is favoured by	A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia
7	In N.W.F.P the phosphate fertilizer are produced at	A. D.I.Khan B. Haripur C. Nowshera D. Dargai
8	Which of the following will not change the concentration of ammonia in the equilibrium $N_2(g) + 3H_2(g)$ $2NH_3(g)$: ΔH = -kj	A. Increase of pressure B. Increase of temperature C. Decrease of volume D. Addition of catalyst
9	The bond angle H - O - H in ice is closest to	A. 120° , 28° B. 60° C. 90° D. 109°
10	The mass of the neutron is of the order of	A. 10⁻²³ kg B. 10⁻²⁴ kg C. 10⁻²⁶ kg D. 10⁻²⁷ kg
11	The dimension of rate constant of a second order reaction involves	A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration
12	For the carbylamine reaction we need hot alc.KOH and	A. Any amin and chloroform B. Chloroform and Ag powder C. A primary amine and chloroform D. A mono alkyl amine and trichlorom-ethane
13	The essential component of organic compound is	A. O B. C C. P D. N

14	In Friedal-Craft's alkylation besides AlCl3 the other reactants are	A. C6H6 + NH3 B. C6H6 + CH4 C. C6H6 + CH3Cl D. C6H6 + CH3COCl
15	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
16	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
17	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
18	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
19	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH₃OH B. Silver acetate C. HCHO D. Silver mirror
20	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. BaCl₂ B. KCl C. NaCl D. MgCl₂