NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
2	According to MO Theory the species O^{+}_{2} possesses	A. Bond order of 2.5 B. Three unpaired electrons C. Diamagnetic character D. Stability lower then O₂
3	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
4	Sodium thiosulfate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Complexing behaviour D. Photochemical behaviour
5	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
6	Which of the following is a molecular disease?	A. Allergy B. Cancer C. German measles D. Sickle cell anemia
7	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
8	The carbon atoms in calcium carbide are held by	A. Ionic bonds B. 2 sigma bonds C. 2 covalent one co-ordinate bond D. 2 π and one σ bond
9	The structure of XeF_6	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
10	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halid.
11	$\Delta H_{Neutralisation}$ is always	A. Positive B. Negative C. Zero D. Positive or negative
12	During the folding of filter paper the apex form angle of about	A. 80^o B. 60^o C. 180^o D. 90^o
13	Bleaching action of bleaching powder is due to the liberation of	A. O₂ B. OCl⁻ C. Cl₂ D. Cl⁻

14	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
15	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
16	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
17	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
18	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
19	Which has the largest radius?	A. CO³⁺ B. Mn³⁺ C. Fe³⁺ D. Cr³⁺
20	Carbon atom holding halogen in aryl halides is	A. Sp²-hybridesed B. Sp³-hybridesed C. Sp-hybridesed D. Sp³d -hybridesed