NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The last orbit of argon would have electrons	A. 8 B. 18 C. 2 D. 6
2	Which of the following fluorides does not exist?	A. NF₅ B. PF₅ C. AsF₅ D. SbF₅
3	During the folding of filter paper the apex form angle of about	A. 80^o B. 60^o C. 180^o D. 90^o
4	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH₃OH B. Silver acetate C. HCHO D. Silver mirror
5	Which of the following is not present in RNA?	A. Uracil B. Thymine C. Ribose D. Phosphate
6	The treatment of benzene with isobutene in the presence of sulphuric acid give	A. Isobutyl benzene B. Tert-Butyl benzene C. n-Butyl benzene D. no reaction
7	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
8	1 mole of CH_4 contains	A. 6.02 x 10²³ atoms of H B. 4 g-atom of hydrogen C. 1.81 x 1023 molecules of CH₄ D. 3.0 g of carbon
9	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None
10	Ammonia gas used directly as a fertilizer is injected into the soil at a depth of about	A. Two inches B. Three inches C. Five inches D. Six inches
11	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
12	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
		A. It is a gas at room temperature

13	Which is true for an element R present in group 13 of the periodic table?	B. It has oxidation state of +4 C. It forms R₂O₃ D. It forms RX₂
14	When electricity is passed through molten Al_2O_3 + Na_3AlF_6 and 13.5 gms Al are deposited,the number of faraday must be	A. 0.5 B. 1.0 C. 1.5 D. 2.0
15	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A. -1.86°C B. -3.72°C C. +1.86°C D. +3.72°C
16	The number of electrons in the M shell of the element with number 24 is	A. 24 B. 12 C. 13 D. 8
17	Which of the following is acidic?	A. SO₃ B. N₂O C. BeO D. HgO
18	Water (H2O) is liquid while hydrogen sulphide (H_2S) 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.
19	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
20	The substance used as a smoke screen in warfare is	A. SiCl₄ B. PH₃ C. PCl₅ D. Acetylene