

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following with aqueous KOH will give acetaldehyde?	A. 1,2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
2	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH_3OH B. Silver acetate C. HCHO D. Silver mirror
3	When electricity is passed through molten $\text{Al}_2\text{O}_3 + \text{Na}_3\text{AlF}_6$ 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
4	Which of the following represents elements in order of increasing atomic size?	A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K
5	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
6	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
7	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
8	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
9	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
10	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
11	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Tl
12	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
13	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
14	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
15	The alkali metal which is liquid at 15°C is	A. K B. Cs C. Na D. None

16	The principle constituent of pyrex glass is	A. Zn B. B C. Pb D. Cl
17	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate
18	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
19	The maximum number of electrons in a subshell for which $l = 3$ is	A. 14 B. 10 C. 8 D. 4
20	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. $+1.86^{\circ}\text{C}$ D. $+3.72^{\circ}\text{C}$
