

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
2	What quantity of limestone (CaCO_3) on heating will give 56 kg of CaO ?	A. 1000 kg B. 56 kg C. 44 kg D. 100kg
3	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum
4	The halide which is not hydrolysed is	A. SiCl_4 B. SiF_4 C. CCl_4 D. PbCl_4
5	Al is more reactive than Fe but Al is less easily corroded than Fe Because	A. It is a noble metal B. Oxygen forms a protective reaction easily with water C. Iron undergoes reaction easily with water D. Fe form mono and divalent ions.
6	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
7	In a crystal $a \neq b \neq c$, $\alpha = \gamma = 90^\circ$ and $\beta \neq 90^\circ$, it is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
8	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
9	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCl D. HI
10	The essential component of organic compound is	A. O B. C C. P D. N
11	Which of the following process is used to separate insoluble particles from liquids?	A. Separation B. Filtration C. Crystallization D. Condensation
12	Which of the following is not present in RNA?	A. Uracil B. Thymine C. Ribose D. Phosphate
13	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
14	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

15	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
16	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CaOH
17	Formic acid is obtained when	A. Calcium acetate is heated with conc. H_2SO_4 B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with $\text{K}_2\text{Cr}_2\text{O}_7$ and H_2SO_4
18	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
19	The spectrum of helium is expected to be similar to that of	A. H B. Li^+ C. Na D. He^+
20	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium