

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Bragg's law is given by equation	A. n λ = 2 θ sin θ B. n λ = 2 d sin θ C. $2n\lambda$ = d sin θ D. $n\lambda$ = 1/2 d sin θ
2	Evaporation of water is	A. An exothermic change B. An endothermic change C. A process where no heat changes occur D. A process accompanied by chemical
3	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
4	When electrons revolve is stationary orbits	A. There is no change in energy level B. They vecome stationary C. They are gaining kinetic energy D. There is increase in energy
5	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
6	The reference calomel electrode is made from which of the following?	A. ZnCl ₂ B. CuSO ₄ C. Hg ₂ Cl ₂ D. HgCl ₂
7	Which is not a colligative property?	A. Osmotic pressure B. Lowering of vapour pressure C. Depression of freezing point D. Elevation of boiling point
8	Heating a micture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
9	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure temperature and volume of the gas
10	The bond angle H - O - H in ice is closest to	A. 120°, 28° B. 60° C. 90° D. 109°
11	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
12	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH ₃ OH B. Silver acetate C. HCHO D. Silver mirror
13	The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charle's law C. Avogadro's law D. Dalton's law
14	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
		A.

15	Inter molecular forces in solid hydrogen are	14.444446563/20/px;">Covalent forces B. Van der Waal forces or London dispersion force C. Hydrogen bonds D. All of these
16	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
17	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
18	Among alkali metal salts,the lithium salts are the poorest conductors of electricity in aqueous solution because of	A. Easy diffusion of Li ⁺ ions B. Lower ability of Li ⁺ ions to polarize water molecules C. Lowest charge to radius ratio D. Higher degree of hydration of Li ⁺ ions.
19	The addition of HBr is easiest with	A. CH2 = CHCI B. CICH = CHCI C. CH3 - CH = CH2 D. (CH3)2 C = CH2
20	BiCl ₃ on hydrolysis forms a white precipitate of	A. Bismuthio is acid B. Bismuth oxychloride C. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide