

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following is a colligative property?	A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature
2	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
3	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is obsorbed C. Heat is evolved D. Heat is converted into mechanical work
4	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
5	If a salt bridge is removed between the two half cells the voltage	A. Drops to zero B. Does not change C. Increases gradually D. Increases rapidly
6	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction
7	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
8	Which of the following is different from the other three oxides?	A. MgO B. SnO C. ZnO D. Cr ₂ O ₃
9	Heating a micture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
10	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
11	Carbon atom holding halogen in aryl halides is	A. Sp ² -hybridesed B. Sp ³ -hybridesed C. Sp Sp -hybridesed D. Sp ³ Sp ³ Authorsize: 14.44444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.44444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.44444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.4444465637207px,">Authorsize: 14.444
12	The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is	A. 10 B. 1 C. 4

13	SO ₂ and NO ₂ pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
14	Which of the following is acidic?	A. SO ₃ B. N ₂ O C. BeO D. HgO
15	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. HCl + anhyd. ZnCl ₂ B. NaCl C. PCl ₅ D. SOCl ₂
16	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCI D. HI
17	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
18	Which of the following geometry is associated with the compound in which the central atom assumes ${\sf sp}^3{\sf d}$ hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal
19	Cheif air pollutant which is likely to deplete ozone layer	A. Sulphure dioxide B. Carbon dioxide C. Carbon dioxide D. Nitrogen oxides and chloro fluorocarbons
20	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH ₃ OH B. Silver acetate C. HCHO D. Silver mirror