

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Natural fertlizer provides phosphorus to plants in the form of P ₂ O ₅	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
2	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
3	Which of the following fluorides of xenon in impossible?	A. XeF ₂ B. XeF ₃ C. XeF ₄ D. XeF ₆
4	On heating acetaldehyde with ammonical silver nitrate solution we get	A. CH ₃ COH B. Silver acetate C. HCHO D. Silver mirror
5	Gooch crucible used to filter the solution of	A. H ₂ SO ₄ B. HCl C. KMnO ₄ D. Both B & C
6	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
7	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
8	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
9	The equilibrium constant in a reversible chemical reaction at a given temperature	A. Depends on the initial concentration of the reactants B. Depends on the concentration of one of the products at equilibrium C. Does not depend on the initial concentrations of reactants D. Is not characteristic of the reaction
10	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 D. 2
11	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butane-1-ol D. 2,3-Dimethylhexane-4-ol
12	The weight of 11.2 liters of CO ₂ at S.T.P. would be	A. 88 g B. 44 g C. 32 g D. 22 g
13	The molal elevation constant is the ratio of the elevation in boiling point to	A. Molarity B. Molality C. Mole fraction of solute

D. Mole fraction of solvent

14	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of H_2SO_4 D. None of them
15	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
16	Which of the following species participate in sulphonation of benzene ring?	A. H_2SO_4 B. HSO_3^- C. SO_3 D. SO_2
17	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
18	Which has largest first ionization energy?	A. Li B. Na C. K D. Rb
19	Which is not a colligative property?	A. Osmotic pressure B. Lowering of vapour pressure C. Depression of freezing point D. Elevation of boiling point
20	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti