

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
2	Which of the following imparts violet colouration to the non-luminous flame of Bunsen burner?	A. NaCl B. BaCl ₂ C. CaCl ₂ D. KCl
3	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
4	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CaOH
5	Alum is not used	A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather
6	Propyne on hydrolysis in presence of H ₂ SO ₄ and HgSO ₄ gives	A. Acetaldehyde B. Actone C. Formaldehyde D. None
7	Which one is not usually used for the crystallization	A. Acetone B. Acetic acid C. Sulphuric acid D. Chloroform
8	The bond angle H - O - H in ice is closest to	A. 120° , 28° B. 60° C. 90° D. 109°
9	The structure of XeF ₆	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
10	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
11	Which one of the following compounds does not exist?	A. NCl ₅ B. AsF ₅ C. SbCl ₅ D. PF ₅
12	The substance used as a smoke screen in warfare is	A. SiCl ₄ B. PH ₃ C. PCl ₅ D. Acetylene
13	The number of atoms contained in 11.2 L of SO ₂ at S.T.P are	A. $\frac{3}{2} \times 6.02 \times 10^{23}$ B. $2 \times 6.02 \times 10^{23}$ C. 6.02×10^{23} D. $4 \times 6.02 \times 10^{23}$
14	The addition of HBr is easiest with	A. CH ₂ = CHCl B. ClCH = CHCl C. CH ₃ - CH = CH ₂ D. (CH ₃) ₂ C = CH ₂
		A. Bismuthio is

15	BiCl_3 on hydrolysis forms a white precipitate of	<p>acid</p> <p>B. Bismuth oxychloride</p> <p>C. Bismuth pentachloride</p> <p>D. Bismuth hydroxide</p>
16	Isopropyl alcohol on oxidation forms	<p>A. Acetone</p> <p>B. Ether</p> <p>C. Ethylene</p> <p>D. Acetaldehyde</p>
17	Which of the following statement regarding catalyst is not true?	<p>A. A catalyst remains unchanged in composition and quantity at the end of the reaction</p> <p>B. A catalyst can initiate a reaction</p> <p>C. A catalyst dose not alter the equilibrium in a reversible reaction</p> <p>D. Catalysts are sometimes very specific in respect of reaction</p>
18	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	<p>A. Decreases</p> <p>B. Increases</p> <p>C. Remains constant</p> <p>D. Decreases for low value of Z and increases for higher value of Z.</p>
19	Which one of the following has the lowest boiling point?	<p>A. B</p> <p>B. Al</p> <p>C. Ga</p> <p>D. Ti</p>
20	Al is more reactive than Fe but Al is less easily corroded than Fe Because	<p>A. It is a noble metal</p> <p>B. Oxygen forms a protective reaction easily with water</p> <p>C. Iron undergoes reaction easily with water</p> <p>D. Fe form mono and divalent ions.</p>