

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
2	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
3	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
4	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. BaCl_2 B. KCl C. NaCl D. MgCl_2
5	The principle constituent of pyrex glass is	A. Zn B. B C. Pb D. Cl
6	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butane-1-ol D. $2,3\text{-Dimethylhexane-4-ol}$
7	Inert pair effect plays an important role in case of	A. F B. Al C. Si D. Tl
8	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
9	The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and - 71030 cal mol^{-1} respectively what will be heat of conversion of rhombic sulphur to monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
10	When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen?	A. More ice will be formed B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed
11	Addition of iron filling to CuSO_4 solution caused precipitation of Cu owing to the	A. Reduction of Cu^{2+} B. Oxidation of Cu^{2+} C. Reduction of Fe D. Reduction of Fe^{3+}
12	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide.
13	For the carbylamine reaction we need hot alc.KOH and	A. Any amine and chloroform B. Chloroform and Ag powder C. A primary amine and chloroform D. A mono alkyl amine and trichloromethane

14	Which has largest first ionization energy?	A. Li B. Na C. K D. Rb
15	The rate of a reaction that does not involve gases does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
16	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.
17	By using the fluted filter paper rate of filtration is	A. Increased B. Decreased C. Filtration is constant D. Having no effect
18	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
19	Bromine is obtained on a commercial scale from	A. Caliche B. Carnallite C. Common salt D. Cryolite
20	How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11