

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	In Friedal-Craft's alkylation besides AICl3 the other reactants are	A. C6H6 + NH3 B. C6H6 + CH4 C. C6H6 + CH3CI D. C6H6 + CH3CI D. C6H6 + CH3COCI
2	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
3	Formic acid is obtained when	A. Calcium acetate is heated with conc.H ₂ SO ₄ B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with K ₂ CrO ₇ and
4	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 halid.
5	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
6	The substance used as a smoke screen in warfare is	A. SiCl ₄ B. PH ₃ C. PCl ₅ D. Acetylene
7	The dimension of rate constant of a second order reaction involves	A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration
8	The mass of the neutron is of the order of	A. 10 ⁻²³ kg B. 10 ⁻²⁴ 8nbsp;kg C. 10 ⁻²⁶ 8nbsp;kg D. 8nbsp;kg D. 8nbsp;kg ⁻²⁷ 8nbsp;kg
9	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
10	The relative rate of diffusion of a gas (molecular wright - 128) as compared to oxygen is	A. 2 times B. 1/4 C. 1/8 D. 1/2
11	In the equilibrium N_2 + $3H_2$ - $2NH_3$ + 22 kcal the formation of ammonia is favoured by	A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia

12	Wholer prepared ures from	A. Ammonia B. NH ₄ CNO C. NH ₃ D. uric acid
13	Maximum number of active hydrogens are present in	A. Acetic-acid B. Glycerol C. Methane D. Methanol
14	The effect of increasing the pressure on the following equilibrium 2A + 3B 3A + 2B is	A. Forward reaction is favoured B. Backward reaction is favoured C. No effect D. None of the above
15	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of H ₂ SO ₄ D. None of them
16	When quantity of electricity passed is one faraday then the mass deposited at the electrode is equal to	A. One gm. atomic weight B. One gm. Equivalent weight C. Electrochemical equivalent D. None of the above
17	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3 x 10 ²³ atoms of C C. 1 mole of S D. 7.0 g of Ag.
18	Water (H2O) is liquid while hydrogen sulphide (H_2S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding.
19	1-Chloropropane has two isomers It is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
20	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