

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
2	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
3	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with NaBH_4 or LiAlH_4 ?	A. 1-Propanol B. 2-Propanol C. 2-Methyl-2-propanol D. Ethanol
4	Phosphorus pentoxide finds use as	A. An oxidizing agent B. A reducing agent C. a bleaching agent D. A dehydration agent.
5	Rusting of iron is catalysed by	A. Fe B. O_2 C. Zn D. H^+
6	Calcium acetate when dry distilled	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
7	Which of the following with aqueous KOH will give acetaldehyde?	A. 1, 2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
8	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with NaBH_4 or LiAlH_4 ?	A. 1-Propanol B. 2-Propanol C. 2-Methyl-2-Propanol D. Ethanol.
9	When KClO_3 is heated, it decomposes into KCl and O_2 . If some MnO_2 is added, the reaction goes much faster because	A. MnO_2 decomposes to give O_2 B. MnO_2 provides heat by reacting C. Better contact is provided by MnO_2 D. MnO_2 acts as a catalyst.
10	Inter molecular forces in solid hydrogen are	A. Covalent forces B. Van der Waal forces or London dispersion forces C. Hydrogen bonds D. All of these.
11	The kinetic theory of gases predicts that total kinetic energy of a gaseous assembly depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure, temperature, and volume of the gas.
12	Helium-oxygen mixture is used by deep sea divers in preference to nitrogen-oxygen mixture because	A. Helium is much less soluble in blood than nitrogen B. Helium is much less soluble in blood than helium C. Under the sea nitrogen and oxygen react to give poisonous nitric oxide D. Nitrogen is highly soluble in water.
13	The substance used as a smoke screen in warfare is	A. SiCl_4 B. PH_3 C. PCl_5 D. Acetylene

14	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine
15	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzoate D. Calcium benzoate
16	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
17	Which of the following species participate in sulphonation of benzene ring?	A. H_2SO_4 B. HSO_3^- C. SO_3 D. SO_2
18	Which of the following has no tin in its composition?	A. Solder B. Bronze C. Brass D. Tin stone
19	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
20	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.