

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
2	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
3	Leblanc process is employed in the manufacture of	A. Baking soda B. Washing soda C. Potash D. Plaster of paris
4	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
5	One mole of a gas refers to	A. The number of molecules in one litre of gas B. The number of molecules in one gram of gas C. The number of molecules contained in 12 grams of ^{12}C isotope D. The number of molecules in 22.4 liters of a gas at S.T.P.
6	Which of the following units represents largest amount of energy?	A. Calorie B. Joule C. Erg D. Electron vol.
7	Benzene + Ozone \rightarrow Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozone D. Succinic acid
8	Bleaching action of bleaching powder is due to the liberation of	A. O_2 B. OCl^- C. Cl_2 D. Cl^-
9	A chemical reaction A B is said to be in equilibrium when	A. Complete conversion of A to B has taken place B. Conversion of A to B is only 50% complete C. Only 10% conversion of A to B has taken place D. The rate of transformation of A to B is just equal to rate of transformation of B to A in the system
10	Inter molecular forces in solid hydrogen are	A. Covalent forces B. Van der Waal forces or London dispersion force C. Hydrogen bonds D. All of these
11	Which of the following is different from the other three oxides?	A. MgO B. SnO C. ZnO D. Cr_2O_3

12	Detergents are	<p>A. Synthetic products B. Natural products C. Both A and B D. None of the above</p>
13	The rate of a reaction that does not involve gases does not depend upon	<p>A. Pressure B. Temperature C. Concentration D. Catalyst</p>
14	The mass of the neutron is of the order of	<p>A. 10^{-23} kg B. 10^{-24} kg C. 10^{-26} kg D. 10^{-27} kg</p>
15	Phosphide ion has the electronic structure similar to that of	<p>A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion</p>
16	For most of the chemical reaction the rate of reaction	<p>A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increase or decrease during the reaction D. Remains constant as the reaction</p>
17	If the solvent is inflammable for heating purpose we use	<p>A. Ice bath B. Water bath C. Wire gauze D. Thermostat</p>
18	If a salt bridge is removed between the two half cells the voltage	<p>A. Drops to zero B. Does not change C. Increases gradually D. Increases rapidly</p>
19	The principle constituent of pyrex glass is	<p>A. Zn B. B C. Pb D. Cl</p>
20	Sodium metal cannot be stored under	<p>A. Benzene B. Kerosene oil C. Alcohol D. Toluene</p>