

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	A zero order reaction is one whose rate is independent of	A. Temperature of the reaction B. The concentration of the reactants C. The concentration of the products D. The material of the vessel in which the reaction is carried out
2	In the manufacture of iron from haematite, limestone is added to act as.	A. Flux B. A reducing agent C. Slag D. An oxidizing agent
3	Which has largest radius?	A. CO^{3+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+}
4	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
5	Which of the following fluorides of xenon is impossible?	A. XeF_2 B. XeF_3 C. XeF_4 D. XeF_6
6	The kinetic theory of gases predicts that total kinetic energy of a gaseous assemble 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.
7	Which of the following species participate in sulphonation of benzene ring?	A. H_2SO_4 B. HSO_3^- C. SO_3 D. SO_2
8	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
9	Bleaching action of bleaching powder is due to the liberation of	A. O_2 B. OCl^- C. Cl_2 D. Cl^-
10	Which of the following oxides is peroxide?	A. Na_2O_2 B. MnO_2 C. BaO D. SO_2
11	Which of the following statements is correct with respect to the property of elements with increase in atomic number in the carbon family (group 14)?	A. Their metallic character decreases B. The stability of +2 oxidation state increases C. Their ionization energy increases D. Their atomic size decreases
12	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium
13	The spectrum of helium is expected to be similar to that of	A. H B. Li^+ C. Na D. He^+
14	What quantity of limestone (CaCO_3) on heating will give 56 kg of CaO ?	A. 1000 kg B. 56 kg C. 44 kg D. 100 kg
		A. Temperature is decreased

15	The osmotic pressure of solution increases if	B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
16	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
17	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.
18	The addition of HBr is easiest with	A. $\text{CH}_2 = \text{CHCl}$ B. $\text{ClCH} = \text{CHCl}$ C. $\text{CH}_3 - \text{CH} = \text{CH}_2$ D. $(\text{CH}_3)_2\text{C} = \text{CH}_2$
19	When sulphur is boiled with Na_2SO_3 solution, the compound formed is	A. sodium sulphides B. Sodiums sulphates C. Sodium persulphate D. Sodium thiosulphate
20	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose