

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
2	Which of the following elements is most electronegative?	A. Oxygen B. Chlorine C. Nitrogen D. Fluorine
3	Which of the following has linear shape?	A. SP B. $SP^2$ C. $SP^3$ D. None of the above
4	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
5	Saturated solution of NaCl on heating becomes	A. Super saturated B. Unsaturated C. Remains saturated D. None
6	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
7	Vital force theory was rejected by	A. Berzelius B. Kolbe C. Wholer D. Lavoiser
8	The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charlie's law C. Avogadro's law D. Dalton's law
9	Bell metal is an alloy of	A. $Cu, Zn, and Sn$ B. $Cu, Zn$ and $Ni$ C. $Cu$ and $Zn$ D. $Cu$ and $Sn$
10	If the solvent is inflammable for heating purpose we use	A. Ice bath B. Water bath C. Wire gauze D. Thermostat
11	The relative rates of diffusion of a gas (Mol. wt. - 98) as compared to hydrogen will be	A. $1/7$ B. $1/5$ C. $1/4$ D. 1
12	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
13	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
	For the reaction $2A(g) + B(g) \rightleftharpoons 3C(g) + D(g)$	A. $[A] = [B]$ B. $[A] = [B]$

14	two moles each of A and B were taken into a flask The following must always be true when the system attained equilibrium	<p><math>[B] = [C]</math></p> <p><math>[A] \geq [B]</math></p>
15	The ratio of the ionization energy of H and $\text{Be}^{3+}$ is	<p>A. 1 : 1</p> <p>B. 1 : 3</p> <p>C. 1 : 9</p> <p>D. 1 : 16</p>
16	The equilibrium $\text{Cr}_2\text{O}_7^{2-} \rightleftharpoons 2\text{CrO}_4^{2-}$ is shifted to right in	<p>A. An acidic medium</p> <p>B. A basic medium</p> <p>C. A neutral medium</p> <p>D. It does not exist</p>
17	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	<p>A. 22.4 liters</p> <p>B. 11.2 liters</p> <p>C. 1 liter</p> <p>D. 2.24 liters</p>
18	Which one is primary alcohol?	<p>A. <math>\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}</math></p> <p>B. <math>\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_3</math></p> <p>C. <math>\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}</math></p> <p>D. <math>\text{CH}_3\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_3</math></p>
19	Carbon monoxide is pollutant as it	<p>A. Inactivates nerves</p> <p>B. Inhibits glycolysis</p> <p>C. Combines with oxygen</p> <p>D. Combines with hemoglobin</p>
20	Which of the following units represents largest amount of energy?	<p>A. Calorie</p> <p>B. Joule</p> <p>C. Erg</p> <p>D. Electron vol.</p>