

Chemistry General Science Test Hard Mode

| Sr | Questions | Answers Choice |
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| 1 | The last orbit of argon would have electrons | A. 8 B. 18 C. 2 D. 6 |
| 2 | 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 |
| 3 | Sulphure dioxide affects | A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus |
| 4 | If a salt bridge is removed between the two half cells the voltage | A. Drops to zero B. Does not change C. Increases gradually D. Increases rapidly |
| 5 | Which of the following species participate in sulphonation of benzene ring? | A. H_2SO_4 B. HSO_3^- C. SO_3 D. SO_2 |
| 6 | Dehydration of glycerol give | A. Propane B. Propene C. Acrolein D. Benzene |
| 7 | The principle constituent of pyrex glass is | A. Zn B. B C. Pb D. Cl |
| 8 | In which of the following elements +1 oxidation state is more stable than +3 | A. B B. Al C. Ga D. Ti |
| 9 | In a reversible chemical reaction having two reactants in equilibrium if the concentration of the reactants are doubled then the equilibrium constant will | A. Also be doubled B. Be halved C. Becomes one fourth D. Remains the same |
| 10 | Which of the following represents elements in order of increasing atomic size? | A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K |
| 11 | Reaction of ethylamine with chloroform in alcoholic KOH producers | A. CH_3OH B. CH_3NC C. $\text{C}_2\text{H}_5\text{NC}$ D. $\text{C}_2\text{H}_5\text{CN}$ |
| 12 | Which of the following belongs to the halogen family? | A. Francium B. Polonium C. Radium D. Astatine |
| 13 | Fertilizer are made by | A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above |
| 14 | Which of the following cannot be produced by acidic dehydration of alcohols? | A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene |
| 15 | Which of the following is a colligative property? | A. Melting point B. Osmotic pressure C. Freezing point D. All of these |

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| | | D. Sublimation temperature |
| 16 | The most reactive compound for electrophilic nitration will be | A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene |
| 17 | Cannizzaro reaction is not given by | A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde |
| 18 | The percentage of oxygen in NaOH is | A. 40 B. 60 C. 8 D. 10 |
| 19 | A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are | A. O_2 , H_2 B. O_2 , Na_2O C. O_2 , SO_2 D. O_2 , S |
| 20 | The percentage of nitrogen in urea is | A. 46 B. 60 C. 70 D. 80 |