

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following is the strongest acid?	A. CF_3COOH B. CBr_3COOH C. CH_3COOH D. CCl_3COOH
2	Which of the following compounds gives a ketone with Grignard's reagent?	A. Formaldehyde B. Ethanenitrile C. Ethyl alcohol D. Methyl iodide
3	Question Image	A. Equal volumes of N_2 and H_2 are reacting B. Equal masses of N_2 and H_2 are reacting C. The reaction has stopped D. The same amount of ammonia is formed as is decomposed into N_2 and H_2
4	Which of the following molecules has a net dipole moments	A. CO_2 B. CS_2 C. SO_2 D. CCl_4
5	Gypsum is applied to the soil to provide calcium and	A. Oxygen B. Nitrogen C. Phosphorous D. Sulphur
6	The product of addition polymerization reaction is	A. PVC B. Nylon C. Terylene D. Polyamide
7	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of H_2SO_4 D. None of them
8	$\text{C}_2\text{H}_5\text{CHO}$ and $(\text{CH}_3)_2\text{CO}$ can be distinguished by testing with	A. Phenyl hydrazine B. Hydroxylamine C. Fehling solution D. Sodium bisulphate
9	Those amino acids which contain two carboxylic groups are called _____ amino acids	A. Acidic B. Basic C. Neutral D. None of these
10	Benzene gives reactions generally:	A. Electrophilic substitution B. addition C. synthesis D. addition and electrophilic substitution
11	The polymers which can be re-softened again and again are called	A. Thermoplastic B. Thermosetting C. Both a and b D. None
12	In endothermic reactions, the heat contents of the surrounding air	A. Remains constant B. Decreases C. Increases D. Fluctuates rapidly
13	Kekule structures contributed towards actual structure of benzene	A. 60% B. 70% C. 80% D. 90%
14	In an octahedral crystal field splitting, the number of orbitals pushed down in energy is	A. 3 B. 2 C. - D. -

		C. 5 D. Zero
15	Polysaccharides are also called	A. Crystals B. Sugars C. Liquids D. None sugars
16	Any substance in the environment which adversely affects the human health and natural functioning of the Ecosystem is known as	A. Environment B. Hydrosphere C. Pollutant D. Biosphere
17	A compound A has a molecular formula C_2Cl_3OH . It reduces Fehling solution and on oxidation produces a monocarboxylic acid B. A can also be obtained by the action of Cl_2 on Ethanol. A is	A. Chloral hydrate B. $CHCl_3$ C. CH_3Cl D. Chloroacetic acid
18	Acetamide is prepared by	A. Heating ammonium acetate B. Heating methyl cyanide C. Heating ethyl acetate D. The hydrolysis of methyl cyanide
19	The osmotic pressure of a dilute solution is directly proportional to the	A. Diffusion rate of the solute B. Ionic concentration C. Elevation in boiling point D. Flow of solvent from a concentrated to a dilute solution
20	The osmotic pressure of 1 m solution at $27^\circ C$ is	A. 2.46 atm B. 24.6 atm C. 1.21 atm D. 12.1 atm