

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The pH of 10^{-3} mole dm^{-3} of an aqueous solution of H_2SO_4 is :	<p>A. 3.0</p> <p>B. 2.7</p> <p>C. 1.5</p> <p>D. 1.5</p>
2	When propanamide reacts with Br_2 and NaOH then which of the following compounds is formed?	<p>A. Ethyl alcohol</p> <p>B. Propyl alcohol</p> <p>C. Propyl amine</p> <p>D. Ethylamine</p>
3	The mass of one mole of proton is	<p>A. 1.008 g</p> <p>B. 0.184 g</p> <p>C. 1.673 g</p> <p>D. 1.008 mg</p>
4	Hydrogen bond is the strongest between the molecules of:	<p>A. HF</p> <p>B. HCl</p> <p>C. HBr</p> <p>D. HI</p>
5	Kolb's method has limited synthetic applications due to	<p>A. Expensive catalysis</p> <p>B. Slow reaction</p> <p>C. Number of side products produced</p> <p>D. Salts used are very expensive</p>
6	The tip of the funnel should touch the side of the beaker in order to avoid :	<p>A. Splashing.</p> <p>B. Leakage.</p> <p>C. Mixing.</p> <p>D. Contamination.</p>
7	Which of the following orbitals have a dumb bell shape?	<p>A. s</p> <p>B. p</p> <p>C. d</p> <p>D. f</p>
8	Which among the following species has the highest ionization energy?	<p>A. Ne</p> <p>B. F</p> <p>C. Li</p> <p>D. B</p>
9	Any property which depends upon the T.P and V is said to be	<p>A. Property due to k.E.</p> <p>B. Property due to PE</p> <p>C. Both a and b</p> <p>D. Thermodynamic state</p>
10	One mole of $\text{C}_2\text{H}_5\text{OH}$ contains the number of H-atoms	<p>A. 6.02×10^{23}</p> <p>B. 3.61×10^{24}</p> <p>C. 1.81×10^{24}</p> <p>D. 6.02×10^{24}</p>
11	The substance which is present in large quantity is called a :	<p>A. Solute</p> <p>B. Solvent</p> <p>C. solution</p> <p>D. None of Above</p>
12	Which of the following will be good conductor of electricity	<p>A. Pure distilled water</p> <p>B. Molten NaCl</p> <p>C. Dilute solution of glucose</p> <p>D. Chloroform</p>

13	Angle 120° is observed in molecules :	<p>B. CH_3-CH_3</p> <p>C. $\text{CH}_2=\text{CH}_2$</p> <p>D. $\text{CH}_2=\text{CH}_2$</p>
14	Question Image 	<p>A. Neutrons are attracted by nucleus</p> <p>B. Neutrons carry out nuclear reactions</p> <p>C. Neutrons carry no charge</p> <p>D. Neutrons are electromagnetic radiations</p>
15	Water shows maximum density at	<p>A. 4°C</p> <p>B. 0°C</p> <p>C. 100°C</p> <p>D. -4°C</p>
16	Dow's process is used for the preparation of	<p>A. Ester</p> <p>B. Ethers</p> <p>C. Alcohols</p> <p>D. Phenols</p>
17	The movement of molecules from a region of high pressure to vacuum is called :	<p>A. Evaporation</p> <p>B. Effusion</p> <p>C. Conduction</p> <p>D. Diffusion</p>
18	Coinage metals like Au, Pt, Ag and Cu are the least reactive metals and don't liberate H_2 gas when treated with acids because	<p>A. These have very high positive values of reduction potentials</p> <p>B. These have very high negative values of reduction potentials</p> <p>C. Their ionization potentials are lowest</p> <p>D. Their reduction potentials are close to SHE</p>
19	Which of the substances Na, Hg, S, Pt and graphite can be used as electrodes in electrolytic cells having aqueous solution?	<p>A. Na, Pt and graphite</p> <p>B. Na and Hg</p> <p>C. Pt and graphite only</p> <p>D. Na and S only</p>
20	Which one is the most toxic?	<p>A. Carbon</p> <p>B. CO</p> <p>C. CO_2</p> <p>D. SO_2</p>