

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	SN2 reaction can be best carried out with	<p>A. Primary alkyl halides B. Secondary alkyl halides C. Tertiary alkyl halides D. All the three</p>
2	An organic compound, on treatment with Br ₂ in CCl ₄ gives bromoderivative of an alkene. The compound will be	<p>A. CH₃ - CH = CH₂ B. CH₃CH = CHCH₃ C. HC = CH D. H₂C = CH₂</p>
3	The bond order in NO is 2.5 while that in NO ⁺ is 3. Which of the following statements is true for these two species?	<p>A. Bond length in NO is greater than in NO⁺ B. Bond length in NO is unpredictable C. Bond length in NO is equal to that in NO⁺ D. Bond length in NO is greater than in NO⁺</p>
4	Question Image	<p>A. Temperature is increased B. Pressure is increased C. HCl is added D. HCl is removed</p>
5	The relative atomic mass of chlorine is 35.5. What is the mass of 2 mol of chlorine gas	<p>A. 142 g B. 71 g C. 35.5 g D. 18.75 g</p>
6	Which statement is incorrect about standard hydrogen electrode	<p>A. Its oxidation and reduction potential is zero B. It consists of Pt wire dipped in 1 molar HCl solution C. The electrolyte is 1 molar NaOH solution D. H₂ gas is passed in it at 1 atmospheric pressure</p>
7	Question Image	<p>A. 3 B. 4 C. 5 D. 2</p>
8	Hydrogenation of benzoyl chloride in presence of Pd on BaSO ₄ gives	<p>A. Benzyl alcohol B. Benzaldehyde C. Benzoic acid D. Phenol</p>
9	Ozone in most of the tropical regions acts as a pollutant and causes	<p>A. Damages to eyes B. Aggravates asthma C. Chest discomfort D. All of these</p>
10	Newland's gave law.	<p>A. Triad's law B. Octaves law C. Period law D. Modern periodic law</p>
11	Which is not the enzyme involved in the preparation of ethyl alcohol by fermentation of starch	<p>A. Diastase B. Maltase C. Zymase D. Invertase</p>
12	A carboxylic acid with one carboxyl group:	<p>A. Monocarboxylic acid B. Dicarboxylic acid C. Tricarboxylic acid D. Polycarboxylic acid</p>
13	The element with atomic number 26 will be found in group	<p>A. 2 B. 8 C. 6 D. 10</p>
14	For which mechanisms, the first step involved is the same:	<p>A. E₁ and E₂ B. E₂ and SN₂ C. E₂ and E₁</p>

15	When two hydrogen atoms approach to form a chemical bond	A. The repulsive forces dominate the attractive forces B. The attractive forces, dominate the repulsive forces C. The energy of atoms increases D. The two atoms start ionization
16	Which of the following compounds on oxidation gives benzoic acid?	A. Chlorophenol B. Chlorotoluene C. Chlorobenzene D. Benzyl chloride
17	Lead accumulator contains	A. 30% NaCl solution as electrolyte B. 30% HCl solution as electrolyte C. 30% H ₂ SO ₄ solution as electrolyte D. 30% NaOH solution as electrolyte
18	How many atoms of carbon are there in 18 g of C ₆ H ₁₂ O ₆ ?	A. 6.02×10^{23} B. 3.6×10^{23} C. 6.02×10^{22} D. 3.6×10^{22}
19	A single chloride free radical can destroy how many ozone molecules?	A. 100 B. 100000 C. 10000 D. 10
20	Benzene is prepared from n-hexane in the presence of catalyst	A. Cr ₂ O ₃ B. Al ₂ O ₃ C. SiO ₂ D. All above