

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
SI	QUESTIONS	A. Empirical formula
1	Two different hydrocarbon each contain the same percentage by mass of hydrogen. It follows that they have the same	B. Number of atoms in a molecules C. Number of isomers D. Relative molecular mass
2	Which is in differnet phase form other metals	A. Ni B. Hg C. Cd D. Na
3	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with NaBH $_4$ or LiAlH $_4$ ?	A. 1-propanol B. 2-propanol C. 2-Methyl-2-propanol D. Ethanol
4	One mole of C <sub>2</sub> H <sub>5</sub> OH contains the number of H-atoms	A. 6.02 x 10 <sup>23</sup> B. 3.61 x 10 <sup>24</sup> C. 1.81 x 10 <sup>24</sup> D. 6.02 x 10 <sup>24</sup>
5	On the basis of VSEPR theory SO <sub>2</sub> is a	A. Liner molecule B. A bent molecule C. A strong molecule D. A gaseous molecule
6	When the electron jumps form third, fourth, fifth orbits to the second orbit, the transitions are known as	A. Paschen B. Pfund C. Balmer D. Brackett
7	Aspirin is	A. Acetyl salicylic acid     B. Phenyl salicylic acid     C. Salicylic acid     D. Benzoic acid
8	B-B'-dichloroethyl sulphide is commonly known as	A. Mustard gas B. Laughing gas C. Phosgene gas D. Bio gas
9	Covalent compound s mostly exist in the form of:	A. Protons <o:p> </o:p> B. Atoms <o:p> </o:p> C. <span style='font-size:11.0pt;line-height:107%; font-family:"Calibri","sansserif";mso-ascii-theme-font:minor-latin;mso-fareast-font-family: Calibri;mso-fareast-theme-font:minor-latin;mso-bidi-font-family:"Times New Roman";mso-bidi-theme-font:minor-bidi; mso-ansilanguage:EN-US;mso-bidi-language:EN-US;mso-bidi-language:AR-SA'>Neutrons Molecules<o:p> </o:p></span>
10	Steps in SN , reactions are:	A. One B. Two C. Three D. Four
11	Alkanes are gases :	A. C <sub>1</sub> -C <sub>4</sub> B. C <sub>5</sub> -C <sub>10</sub> C. C <sub>11</sub> -C <sub>15</sub> D. C <sub>10</sub> -C <sub>20</sub>
12	Question Image	A. 450°C B. 250°C

		C. 850°C D. 1000°C
13	Oxidation of 2-propanol gives	A. Propanone B. Butanone C. Pentanone D. None of these
14	The actual number of atoms or molecules taking part in rate determining step is	A. Rate of reaction     B. Velocity of reaction     C. Order of reaction     D. Molecularly
15	During electrolysis, the reaction that takes place at cathode is :	A. Reduction B. Both (a) and (c) C. Oxidation D. No reaction occurs
16	An azeotropic mixture of two liquids boils at a lower temperature than either of them when :	A. It is saturated. B. It shows positive deviation from Raoult's law. C. It show negative deviation from Raoult's law. D. It is metastable.
17	Question Image	A. It decolourises aqueous bromine rapidly B. It is insoluble in water C. It reduces Fehling's reagent D. Two molecules react with each other in the presence of a strong acid
18	Which of the following is a biodegradable polymer?	A. Cellulose B. Polyethene C. Polyvinyl chloride D. Nylon-6
19	By reaction Grignard's reagent with the HCHO we get	A. 1° - alcohol B. 2° - alcohol C. 3° - alcohol D. All of these
20	Caustic soda is obtained by electrolysis of conc. aqueous solution of NaCl in a cell called	A. Daniell's cell B. Nelson's cell C. Down's cell D. Voltaic cell