

## ECAT Chemistry Online Test

| Sr | Questions  | Answers Choice   |
|----|--|--|
| 1  | When a metal is dipped in 1 molar of its solution at 298 K. then potential set up is called  | A. Standard electrode potential B. Electric charge C. Ionization potential D. Electroplating   |
| 2  | Which of the following is halo form  | A. CHBr <sub>3</sub> B. CHCl <sub>3</sub> C. CHl <sub>3</sub> D. All of these  |
| 3  | Question Image   | A. 2-chlorobutanal B. alfa-chlorobutanal C. 2-chlorobutyraldehyde D. alfa- chlorobutyraldehyde   |
| 4  | The function of salt bridge in the galvanic or voltaic cell is to  | A. Carry out oxidation at anode     B. To carry out reduction at cathode     C. Carry out electrolysis     D. To prevent the net charge     accumulation in either of the half cells |
| 5  | A special application of the Hess's law to binary ionic compounds of M <sup>+</sup> X'type in calculation of their lattice energies is | A. Enthalpy of reaction B. Born-haber cycle C. First law of thermodynamics D. Enthalpy of combustion   |
| 6  | When of the following is isolelectronic with krypton   | A. Ca <sup>++</sup> B. Al <sup>+++</sup> C. Br <sup>-1</sup> D. I <sup>-1</sup>  |
| 7  | A complete chemical characterization of a compound must include  | A. Qualitative analysis     B. Chemical analysis     C. Quantitative analysis     D. Both a and c  |
| 8  | Which is not a steroid   | A. Cholesterol B. Ergosterol C. Phospholipids D. None of these   |
| 9  | In the modern long form of the periodic table elements are arranged in the increasing order of   | A. Atomic mass B. Atomic number C. Mass number D. Isotopic number  |
| 10 | The substance which increases rate of reaction but remains unchanged at the end of reaction is called :                                | A. Catalyst. B. Indicator. C. Promoter. D. Activator.  |
| 11 | The number of elements in the first, second and third period are   | A. 2, 8, 18<br>B. 8, 2, 18<br>C. 2, 18, 8<br>D. 2, 8, 8  |
| 12 | The reaction is galvanic cell is   | A. Spontaneous B. Non-spontaneous C. Acid-base D. None of these  |
| 13 | General formula of carbocyclic acids is:   | A. RCOH<br>B. RCOR<br>C. RCOOR<br>D. R-OH  |
| 14 | Drawback DDT as presticide is  | A. I becomes ineffective after some time B. It is less effective than others C. It is not easily/rapidly degraded in nature D. Its high cost   |
|    |  | A. Formic acid   |

| 15 | Which acid is used in the manufacture of synthetic fibre   | B. Phthalic acid C. Carbonic acid D. Acetic acid   |
|----|--|--|
| 16 | Which of the following has linear shape?   | A. SP B. SP <sup>2</sup> C. SP <sup>3</sup> D. None of the above   |
| 17 | Which of the following alkyl halides is used as a mathylating agent  | A. CH <sub>2</sub> H <sub>5</sub> I B. CH <sub>3</sub> I C. C <sub>2</sub> H <sub>5</sub> Pr D. C <sub>2</sub> H <sub>5</sub> CI |
| 18 | The simplest separating unit of a polymer is called:   | A. Monomer B. Dimer C. Trimmer D. Macromer   |
| 19 | Potassium superoxide has a use in breathing equipment in space crafts. The balanced equation for the reaction is |  |
| 20 | Cotton is% cellulose   | A. 90<br>B. 100<br>C. 99<br>D. 30  |