

## ECAT Chemistry Online Test

Cr.	Questions	Answers Choice
Sr	Questions	
1	Content of carbon in steel is:	A. 0.12 to 0.25% B. 0.25% to 2.5% C. 3.0 to 3.5% D. 4.0 to 4.5%
2	Benzene is not prepared from	A. Acetylene B. Phenol C. Benzoic acid D. Bromo benzene
3	Toluene is also called	A. Hydroxyl benzene B. Methyl benzene C. ethyl benzene D. None
4	Which of the following is an ortho-para directing group	
5	$K_{\rm sp}$ value for PbSO <sub>4</sub> = 1.8 x 10 <sup>-8</sup> mole <sup>2</sup> dm <sup>-6</sup> . The maximum concentration of Pb <sup>++</sup> ions is	A. 1.34 x 10 <sup>-4</sup> mole dm <sup>-3</sup> B. 1.8 x 10 <sup>-4</sup> C. 3.6 x 10 <sup>-16</sup> mole dm <sup>-3</sup> D. 1.0 x 10 <sup>-8</sup> mole dm <sup>-3</sup>
6	The open chain organic compounds are called	A. Linear compounds B. Aromatic C. Aliphatic D. Both A and B
7	In KO <sub>2</sub> the oxidation state of oxygen is	A2 B1 C. +1/2 D1/2
8	When chloroform is boiled with NaOH, it gives	A. Formic acid B. Trihydroxymethane C. Acetylene D. Sodium formate
9	The number of bonds in nitrogen molecule is	
10	Chlorofluorocarbon, $CF_2Cl_2$ , plays an effective role in removing $O_3$ (ozone) in the stratosphere. Which reaction does not cause the depletion of ozone	
11	The simplest separating unit of a polymer is called:	A. Monomer B. Dimer C. Trimmer D. Macromer
12	Addition of solid NaHCO <sub>3</sub> in water causes ionization of NaCHO <sub>3</sub> its $K_a$ = 4.7 x 10 <sup>-1</sup> . Then this solution has character	A. Acidic B. Very weakly basic C. Alkaline D. Neutral
13	The fibre which contains polymers of vinylidine chloride as fibre forming substance is known as	A. Saran fibre B. Nylon C. Polyester D. Acetate fibre
14	Which of the following is obtained by condensation polymerization?	A. Polyethene B. Teflon C. Phenol formaldehyde resin D. Nitrile rubber
15	The factor which effect the rate of reaction	A. Nature of reactants B. Surface area C. Light D. All of the above
16	Which of the following elements is not present in all proteins?	A. Carbon B. Hydrogen C. Nitrogen D. Sulphur

17	The covalent radius of CI atom is:	A. 99.4 pm. B. 176.7 pm C. 38 pm D. 76 pm.
18	Which of the following reactions occur at moderate rate :	A. Rusting of iron     B. Chemical weathering of stone work     of buildings by acidic gases in     atmosphere.     C. Hydrolysis of an ester     D. Fermentation of sugars
19	The solubility of PbF2is 2.6 x 10 <sup>-3</sup> mole dm <sup>-3</sup> then its solubility product is	A. 2.6 x 10 <sup>-3</sup> B. 6.76 x 10 <sup>-6</sup> C. 5.2 x 10 <sup>-6</sup> D. 7.0 x 10 <sup>-8</sup>
20	The acid present in the stings of bees and wasps in	A. Acetic acid B. Formic acid C. Formalin D. Formaldehyde