

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which decolourizes the colour of Br ₃	A. CH ₄ B. CH ₃ -CH ₃ C. CH ₂ =CH ₂ D. CH ₃ -CH ₃
2	The region of earth capable of supporting life is	A. Hydrosphere B. Lithosphere C. Biosphere D. Atmosphere
3	Iodoform test is given by:	A. Formaldehyde and Higher ketones B. Formaldehyde C. Acetaldehyde and methyl ketones D. Acetaldehyde
4	The standard e.m.f. of a galvanic cell involving cell reaction with n = 2 is found to be 0.2965 V at 25°C. The equilibrium constant of the reaction would be	A. 1.0×10^{10} B. 2.0×10^{11} C. 4.0×10^{12} D. 1.0×10^{2}
5	Nitrogen in the atmosphere is:	A. 78% B. 21% C. 0.9% D. 0.03%
6	Aryl halides are less reactive towards nucleophilic substitution reactions as compared to alkyl halides due to	A. The formation of less stable carbonium ion B. Resonance stabilization C. Larger carbon-halogen bond D. The inductive effect
7	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
8	type of hybridization in CH≡CH is:	A. sp B. sp ² C. sp ³ D. dsp ²
9	Protein may have	A. Primary structure B. Secondary structure C. Tertiary structure D. All of these
10	d-block elements are also called :	A. alkali metal B. Alkaline earth metals C. Transition elements D. Electron deficient elements
11	Where lime is not used	A. In refining of metals B. In paper industry C. In glass industry D. In the preparation of NaOH
12	What causes nitrogen to be chemically inert?	A. Multiple bond formation in the molecule B. Absence of bond distance C. Short internuclear distance D. High bond energy
13	The prosthetic group in glycoprotein is	A. Carbohydrate B. Fat C. Vitamin D. Nucleic acid
14	A fibre which is made from acrylonitrile as monomer	A. PVC B. Rayon fibre C. Acrylic fibre D. Polyester fibre

15	During reaction of O_2 and alkenes, a product:	A. Glycol B. Epoxide C. Halohydrin D. Ethylene glycol
16	In thermal decomposition of N_2O the half life period for two different initial concentrations of N_2O are (i) 255 second for initial N_2O 290 mm Hg (ii) 212 second for initial N_2O 360 mm Hg then it is	A. Zero order B. First order C. Second order D. Third order
17	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr
18	Linear shape is associated with which set of hybrid orbitals	A. sp B. sp^2 C. sp^3 D. dsp^2
19	The oxidation state of Fe in $[Fe(CN)_6]^{3-}$ is	A. +2 B. +3 C. +4 D. -3
20	Which of the following does not exhibit the periodicity in properties of the elements?	A. Ionisation energy B. N/P ratio C. Electronegativity D. Atomic radius