

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	What is the name of the complex $[\text{Ni}(\text{CO})_4]$	A. Tetracarbonylnickel (0) B. Tetracarbonylnickel C. Tetracarbonylnickel (II) D. Tetracarbonylnickel (IV)
2	Aniline reacts with which of these to form Schiff base?	A. Acetic acid B. Benzaldehyde C. Acetone D. NH_3
3	The sterols of fungi and yeast are called:	A. Vitamin D B. Vitamin D ₂ C. Ergosterol D. Cholesterol
4	Marsh gas was the name given to	A. Methane B. Ethane C. Propane D. Butane
5	If an electrophile attacks then _____ bond breaks first	A. C - H B. O - H C. C - O D. None of these
6	Atmospheric pollutant is	A. CO_2 B. CO C. O_2 D. N_2
7	An organic compound will decolorise dilute acidified (aq) KMnO_4 on warming, but will not decolorise bromine water. What is the compound	A. KMnO_4 B. Ethanol C. Ethane D. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{Cl}$
8	The compounds or species in search of electrons are called	A. Electrophiles B. Nucleophile C. Nitrites D. Bases
9	The four bonds of carbon in methane are directed towards the corners of	A. Cube B. Pentagon C. Hexagon D. Tetrahedron
10	During nitration of benzene, the active nitrating agent is	A. NO_3 B. NO_2^+ C. NO_2^- D. HNO_3
11	Which of the following is not a hydrocarbon	A. Butane B. Methyl benzene C. Acetylene D. Glucose
12	The widely used nitrogen fertilizer that contains about 46% nitrogen is	A. Ammonia B. Ammonium nitrate C. Ammonium sulphate D. Urea
13	Alkyl halides are considered to be very reactive compounds towards nucleophiles because	A. They have an electrophilic carbon B. They have an electrophilic carbon and a good leaving group C. They have an electrophilic carbon and a bad leaving group D. They have a nucleophilic carbon and a good leaving group
14	Which one is an alkali metal in them?	A. Rubidium B. Magnesium C. Calcium D. Barium

15	Allotropic forms of oxygen Te, Se are	A. Two B. Three C. Four D. Five
16	Introduction of a second methyl group in methylbenzene will give how many isomeric dimethylbenzenes	A. 2 B. 1 C. 3 D. 4
17	Detergents are	A. Synthetic products B. Natural products C. Both (a) and (b) D. None of these
18	CFCs destroy ozone layer. How many ozone molecule a chlorine free radical can destroy	A. 10,000 B. 20,000 C. 100,000 D. 50,000
19	The relative atomic mass of chlorine is 35.5. What is the mass of 2 mol of chlorine gas	A. 142 g B. 71 g C. 35.5 g D. 18.75 g
20	Benzene gives reactions generally:	A. Electrophilic substitution B. addition C. synthesis D. addition and electrophilic substitution