

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	All the following decompose easily on heating to give oxygen except	A. Lead nitrate B. Potassium chlorate C. Mercuric oxide D. Manganese dioxide
2	Which of the following is most electronegative?	A. Carbon B. Silicon C. Lead D. Tin
3	Non sticking coating in cooking utensils is done by	A. Iron B. Cooper C. Plastic D. Teflon
4	A carboxylic acid contains:	A. A hydroxyl group B. A carboxyl group C. A hydroxyle & carboxyl group D. A carboxyl & aldehyde group
5	Which of the electronic configuration of nitrogen is correct?	A. $1s^2, 2s^2, 2p^1, 2p^1, 2p^1$ B. $1s^2, 2s^2, 2p^3$ C. $1s^2, 2s^2, 2p^2, 2p^1, 2p^2$ D. $1s^2, 2s^2, 2p^6, 3s^2, 3p^6$
6	Which compound is both chiral and acidic	
7	Which has the least oxidizing power?	A. F_2 B. Cl_2 C. Br_2 D. I_2
8	The distillation of coal at high temperature and in absence of air is called	A. Vacuum distillation B. Normal distillation C. Fractional distillation D. Destructive distillation
9	When CO_2 is made to react with ethyl magnesium iodide, followed by acid hydrolysis, the product formed is	A. Propane B. Propanoic acid C. Propanal D. Propanol
10	Which of the following chloro compounds is heat easily hydrolysed by hydroxide ion to give the product indicated	
11	Which of the following will be good conductor of electricity	A. Pure distilled water B. Molten NaCl C. Dilute solution of glucose D. Chloroform
12	Which of the following factors does not influence the rate of reaction	A. Concentration of the reaction B. Nature of the reactants C. Molecularity of the reaction D. Temperature
13	N-atom forms three covalent bonds, its electronic configuration is	
14	The hybridization in benzene is	A. sp^3 B. sp^2 C. sp^4 D. dsp^2
15	Elements in which f-orbitals are in the process of completion are called	A. Outer transition element B. Inner transition elements C. Non-transition elements D. Radioactive elements
16	What is wrong about transition metals?	A. Diamagnetic B. Paramagnetic C. Form complexes

		D. Shows variable oxidation state
17	How does the ionization energy of 1st group elements vary?	A. Increases down the group B. Decreases down the group C. Remains unchanged D. Variation is not regular
18	Corrosion is basically a	A. Altered reaction in presence of H_2O B. Electrochemical phenomenon C. Interaction D. Union between two light metals and a heavy metal
19	Pick up the correct statement	A. CO which is major pollutant resulting from the combustion of fuels in automobile plays a major role in photochemical smog B. Classical smog has an oxidizing character while the photochemical smog is reducing in character C. Photochemical smog occurs in day time whereas the classical smog occurs in early morning hours D. During formation of smog the level of ozone in the atmosphere goes down
20	The tendency of atoms to attain a maximum of eight electrons in the valence shell is known as:	A. Duplet rule. B. Triad rule. C. Octet rule. D. Tetrad rule.