

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Acidification of the soils due to addition of synthetic nitrogen fertilizer, is corrected by using	A. Gypsum B. Sodium nitrate C. Limestone D. Potassium nitrate
2	Colligative properties are the properties of	A. Dilute solution which behave as nearly ideal solutions B. Concentrated solutions which behave as nearly non-ideal solution C. Both (i) and (ii) D. Neither (i) and (ii)
3	If 5.85 g of NaCl are dissolved in 90 g of water, the mole fraction of NaCl is	A. 0.1 B. 0.01 C. 0.2 D. 0.0196
4	In which reaction Hydrogen behave as oxidizing agent?	A. $H_2 + Cl_2 \rightarrow 2HCl$ B. $C_2H_2CHO + H_2 \rightarrow C_2H_4 + H_2O$ C. $2Na + H_2 \rightarrow 2NaOH$ D. $C_2H_2CHO + H_2 \rightarrow C_2H_5H_2OH$
5	Gypsom added in the cement is	A. 5% B. 10% C. 15% D. 20%
6	The decrease in radius in large for:	A. Monovalent ions. B. Trivalent ions. C. Divalent ions. D. Atoms.
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. High temperature and low pressure B. Low temperature and high pressure C. Low temperature and low pressure D. High temperature and high pressure
8	Heaviest particle is	A. Meson B. Neutron C. Proton D. Electron
9	Acetylene had a characteristic ethereal smell resembling that of	A. Ginger B. Vinegar C. Garlic D. Onion
10	Electronegativity values of the elements F, Cl and Br vary	A. F > Cl > Br B. Br > Cl > F C. Cl > Br > F D. Cl > F > Br
11	f-block elements are called :	A. Alkali metal B. Alkalkline earth metals C. Transition elements D. Electron deficient elements
12	Glacial acetic acid freezes to ice like solid it.	A. 07 B. 17 C. 27 D. 37
13	Given data (i) heat of formation of $CO_2$ is $-393.7 \text{ KJ mole}^{-1}$ (ii) heat of formation of $H_2O$ is $-285.8 \text{ KH mole}^{-1}$ (iii) heat of combustion of $CH_4$ is $-890.00 \text{ KJ mole}^{-1}$ Enthalpy of formation of methane from C and $H_2$ is calculated by Hess's law by	A. Adding i + ii + iii B. Adding 2(i) and ii and subtracting iii C. adding i + iii and subtracting ii D. Adding i + 2(ii) and subtracting iii

14	When ammonia is heated with cupric oxide, a molecule of ammonia will	A. Gain 3 electrons B. Lose 3 electrons C. Gain 2 electrons D. Lose 2 electrons
15	Which compound contains - OH in their molecule	A. Alcohol B. Phenol C. Alcohol and phenol D. Ether
16	Which of the sub-atomic particles is not charged	A. Electron B. Proton C. Neutron D. All of them
17	The development of industries was a direct result of which major factor	A. Population B. Living standards C. Depletion of resources D. All of these
18	Polymerization of ethane take place at pressure of 100 atm and a temperature of	A. 200 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> B. 400 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> C. 600 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> D. 800 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span>
19	Ammonia contains nitrogen in it	A. 46% B. 50% C. 80% D. 82%
20	The term cryoscopy is used for	A. Depression of freezing point B. Elevation in boiling point C. Lowering of vapour pressure D. Osmotic pressure