

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Water is purified by the process:	A. Aeration B. Coagulation C. Chlorination D. All of these
2	In the presence of high temperature and pressure peat is converted to:	A. Lignite B. Polymorphism C. Polymerization D. Catenation
3	The active mass of 64 g of HI in a two litre flask would be	A. 2 B. 1 C. 5 D. 0.25
4	Sulphonation of benzoic acid produces mainly	A. o-Sulphobenzoic acid B. m-sulphobenzoic acid C. p-Sulphobenzoic acid D. o-and p-Sulphobenzoic acid
5	The percentage of nitrogen in ammonium nitrate is	A. 32 - 33.5% B. 34 - 36% C. 40 - 45% D. None of these
6	Aldehyde and small methyl ketones form crystalline _____ pts with saturated sodium bisulphate solution	A. White B. Red C. Yellow D. None of these
7	Which of the following compounds contains the highest percentage by mass of nitrogen?	A. Ammonia, NH_3 B. Ammonium carbamate, $\text{NH}_2\text{CO}_2\text{NH}_4$ C. Ammonium carbonate, $(\text{NH}_4)_2\text{CO}_3$ D. Hydrazine, N_2H_4
8	Aromatic compounds burn with sooty flame cause:	A. They have high percentage of hydrogen B. They have ring structure C. They have high percentage of carbon D. They resist reaction with air
9	Gaseous HF exists in the form of	A. Monomers B. Cyclic hexamers C. As single entity D. Both (a) and (b)
10	Partial reduction of acetic acid happens with	A. NH_3 B. LiAlH_4 C. $\text{P} + \text{HI}$ D. PCl_5
11	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
12	The change in heat energy of a chemical reaction at constant temperature and pressure is called	A. enthalpy change B. heat of sublimation C. bond energy D. internal energy change
13	The value of charge on electron is	A. 1.602×10^{-19} coulombs B. 1.602×10^{-18} coulombs C. 1.602×10^{-17} coulombs D. 1.602×10^{-16} coulombs
14	Which is used in navigational equipments?	A. B B. Be C. Mg D. Al
15	An electrochemical cell is based upon	A. Acid-base reaction B. Redox reaction C. Nuclear reaction

		D. None of the above
16	The term ebullioscopy is used for	A. Depression of freezing point B. Elevation in boiling point C. Lower of vapour pressure D. None of the above
17	Which of the following is not the reactions of lithium	
18	Calculate the amount of charge flowing in 2 minute in a wire of resistance 10Ω when a potential difference of 20 V is applied	A. 120 C B. 240 C C. 20 C D. 4 C
19	75% plant nutrients are present in the fertilizer	A. urea B. NH_4NO_3 C. NH_3 D. $(\text{NH}_4)(\text{NH}_2\text{HPO}_4)$
20	Period Number 6 contains elements in it:	A. 2 B. 8 C. 18 D. 32