

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Eutrophication causes reduction in	A. Dissolved hydrogen B. Dissolved oxygen C. Dissolved salts D. All the above
2	Which is in different phase from other metals	A. Ni B. Hg C. Cd D. Na
3	Tincal is a mineral of:	A. Al B. B C. Si D. C
4	Reaction of Grignard's reagent with CO ₂ gives:	A. Aldehyde B. Pri-alcohol C. Sec-alcohol D. Carboxylic acid
5	Given data (i) heat of neutralization of HCl and NaOH is -57.3 KJ mole ⁻¹ (ii) heat of neutralization of CH ₃ COOH with NaOH is 55.2 KJ mole ⁻¹ The enthalpy of ionization of CH ₃ COOH is determined according to Hess's law by	A. Adding i and ii B. Dividing i by ii C. Subtracting i from ii D. Subtracting ii from i
6	If α is the degree of dissociation of Na ₂ SO ₄ the vant Hoff's factor (i) used for calculating the molecular mass is	A. $1 + \alpha$ B. $1 - \alpha$ C. $1 + 2\alpha$ D. $1 - 2\alpha$
7	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
8	Which compound shows more hydrogen bonding?	A. C ₂ H ₆ B. C ₂ H ₅ OH C. CH ₃ OH D. C ₂ H ₅ OH
9	Ethyl alcohol prepared during fermentation is pure:	A. 20% B. 10% C. 11% D. 12%
10	Value of rate constant k is specific for a reaction, and varies from reaction to reaction. The value of k of a reaction changes with	A. Time B. Temperature C. Concentration of reactants D. Order of reaction
11	When ethylene glycol is heated with acidified potassium permanganate, the main organic compound obtained is	A. Oxalic acid B. Glyoxal C. Formic acid D. Ethanol
12	NO ₂ forms acidic solution	A. Red B. Blue C. Green D. Brown
13	The galvanic or voltaic cells which are rechargeable called as	A. Primary cells B. Secondary cells C. Dry cells

14	A standard hydrogen electrode is used as standard electrode of which electrode potential is arbitrarily taken as	A. +1 B. -1 C. 0.1 D. Zero
15	An electrophile may be	A. Positive B. Negative C. Neutral D. Both c and a
16	d-block elements are also called :	A. alkali metal B. Alkaline earth metals C. Transition elements D. Electron deficient elements
17	Amongst the following, the compound that can be most readily sulphonated is	A. toluene B. benzene C. nitrobenzene D. chlorobenzene
18	C_2H_5CHO and $(CH_3)_2CO$ can be distinguished by testing with	A. Phenyl hydrazine B. Hydroxylamine C. Fehling solution D. Sodium bisulphate
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	Question Image <input type="text"/>	A. Electrophilic substitution B. Free radical reduction C. Isomerisation D. Nucleophilic substitution