

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Carboxylic acids having carboxyl group one is called:	A. Mono carboxylic acid B. Di-carboboxylic acid C. Tri carboxilic acid D. Tetra carboxylic acid
2	Variable valency is characteristic of	A. Halogen B. Transition elements C. Alkali metals D. Noble gas
3	Which orbital is in the process of completion in case of transition elements	A. p-orbital B. f-orbital C. d-orbital D. s-orbital
4	Which of the following react with NaOH to produce an acid and an alcohol?	A. NCHO B. CH ₃ COOH C. CH ₃ CH ₂ COOH D. C ₆ H ₅ COOH
5	The nature of positive rays depend on:	A. Nature of discharge tube.B. Nature of resident gas.C. Nature of electrode.D. All of above.
6	Which reagent will distinguish a ketone from an aldehyde	A. Br ₂ B. 2, 4-dinitrophenylhydrazine C. NaBH ₄ D. Tollen's reagent
7	Which is not state function	A. Temperature B. Enthaply C. Entropy D. Internal energy
8	Diethyl ether is obtained by Williamsons synthesis using	A. Ethanol + Na + C ₂ H ₅ Br B. Ethanol + Mg + C ₂ H ₅ Br C. Methanol + Na + CH ₃ Br D. Methanol + Mg + CH ₃ Br
9	Aqueous solution of glucose C ₆ H ₁₂ O ₆ , boils at 100.052°C. The solution contains	A. 180 grams glucose in 1 kg water B. 18 grams glucose in 1 kg water C. 1.8 grams glucose in 1 kg water D. 3.6 grams glucose in 1 kg
10	The empirical formula of benzene is determined by	A. IR spectra B. U.V C. Elemental analysis D. NMR spectra
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 acid is used in the manufacture of synthetic fibre?	A. Formic acid B. Oxalic acid C. Carbonic acid D. Acetic acid
13	Which of the following is a biodegradable polymer?	A. Cellulose B. Polyethene C. Polyvinyl chloride D. Nylon-6
14	Aldehydes can be distinguished from ketones by	A. 2,4-DNPH test B. NaHSO ₃ test C. N ₂ H ₄ test D. Tollen's test
		A. Are made from petroleum

15	Plastics are a pollution problem because many plastics	B. Are very inflammableC. Burn to produce toxic fumesD. Decompose to produce toxic products
16	The process of electrical coating of one metal on another to protect, decorate or to have greater resistance to corrosion is called	A. Electroplating B. Electrolysis C. Conduction D. Induction
17	Which of the hydrogen halides has the highest percentage of ionic character	A. HCI B. HBr C. HF D. HI
18	Amino acids are bifunctional organic compounds what are the two function groups	A. Carboxylic acid and alcohol B. Alcohol and aldehyde C. Carboxylic acids and ketone D. Amino group and carboxylic acid
19	When hydrogen cyanide is added to an Aldehyde in the presence of ammonia it is called	A. Strecker synthesis B. Cory house synthesis C. Williamson;s synthesis D. None of these
20	The chemical formula of Epson salt is	A. MgSO ₄ B. MgCl ₂ C. MgSO ₄ . 7H ₂ O D. MgCl ₂ . 7H ₂ .