

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The force which holds together two or more atoms or ions to form a large variety of compounds is called:	A. A chemical bond. B. An ionic bond. C. A covalent bond. D. A coordinate bond.
2	The total number of transition elements is:	A. 10 B. 14 C. 40 D. 50
3	Glyptal polymer is obtained from glycerol on reacting with	A. Malonic acid B. Phthalic acid C. Maleic acid D. Acetic acid
4	Rosenmund's reduction of an acyl chloride gives	A. An aldehydes B. An alcohol C. An ester D. A hydrocarbon
5	The potassium fertilizers are preferred for horticulture, tobacco and potatoes, which of the following is popular potassium fertilizer	A. Potassium oxide B. Potassium chloride C. Potassium sulphate D. Potassium nitrate
6	Which class of compound is more reactive	A. Alkane B. Alkene C. Alkyne D. None
7	The method used only for the production of symmetrical alkanes	A. Kolb's method B. Clemmensen C. Cannizzaro D. Wolf kishner
8	The relative atomic mass of chlorine is 35.5. What is the mass of 2 mol of chlorine gas	A. 142 g B. 71 g C. 35.5 g D. 18.75 g
9	In Friedel-Craft's alkylation besides $AlCl_3$ the other reactants are	A. $C_6H_6 + NH_3$ B. $C_6H_6 + NH_4$ C. $C_6H_6 + CH_3Cl$ D. $C_6H_6 + CH_3COCl$
10	One of the environmental problems is the formation of oil slicks when oil is spilled from tankers in sea water. Which treatment is suitable to remove oil slicks	A. Blow air B. Add Na_2CO_3 C. Use a specially made sorbent having flouring trapped in it D. Use a sorbent having Al_2O_3 trapped in it
11	Which of the following species participate in sulphonation of benzene ring?	A. H_2SO_4 B. HSO_4 C. SO_3 D. SO_2
12	Which of the following is a pseudo solid?	A. CaF_2 B. Glass C. $NaCl$ D. All
13	The hybridization in benzene is	A. sp^3 B. sp^2 C. sp^4 D. dsp^2
		A. Alkyl

14	Question Image	B. Alkyl nitrile C. Cyanogens D. Amine
15	Carbolic acid is the other name for	A. Methanol B. Ethanol C. Propanol D. Phenol
16	Which of the statements given below concerning properties of solution, describe a colligative effect?	A. Boiling point of pure water decreases by the addition of ethanol B. Vapour pressure of pure water decreases by the addition of nitric acid C. Vapour pressure of pure benzene decreases by the addition of naphthalene D. Boiling point of pure benzene increases by the addition of toluene
17	In a Galvanic cell	A. Chemical energy is converted into electricity B. Chemical energy is converted into heat C. Electrical energy is converted into heat D. Electrical energy is converted into chemical energy
18	If pH of buffer of 1 mole dm^{-3} of HCOOH + 0.1 mole dm^{-3} HCOONa having $\text{pK}_a = 3.78$ is	A. 1.78 B. 2.78 C. 3.78 D. 4.78
19	In Boyle's law which of the following pair remains constant :	A. Temperature and quality of a gas. B. Pressure and quality of a gas. C. Temperature and pressure D. Temperature and quantity of a gas.
20	Question Image	A. 0 B. 1 C. 2 D. 3