

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Alkyl halides are reactive :	A. High B. Medium C. Less D. Least
2	The reaction between fat and NaOH is called	A. Esterification B. Hydrogenolysis C. Fermentation D. Saponification
3	Which of the following metal requires radiation of highest frequency to cause emission of electrons?	A. Na B. Mg C. K D. Ca
4	Tetrabromoethane on treatment with alcoholic zinc gives	A. Ethylbromide B. Ethane C. Ethene D. Ethyne
5	Solvent extraction is an unstable, Process and it is controlled by:	A. Alcohol extraction B. Petrol extraction C. Phenol extraction D. Ether extraction
6	The weight of pure NaOH required to prepare 250 cm ³ of 0.1 N solution is	A. 4 g B. 1 g C. 2 g D. 5 g
7	Which is the formula of tetra-ammine chloro-nitro platinum (IV) sulphate	A. [Pt(NH ₃) ₄ (NO ₂)] SO ₄ B. [Pt NO ₂ Cl(NH ₃) ₄] SO ₄ C. [Pt Cl(NO ₂) (NH <sub)3< sub="">) SO₄] D. [Pt (NH₃₄₄ D. [Pt (NH₃₄₄₄₄₄₄</sub)3<>
8	Indicate the correct statement	A. All lanthanidees are present in the same group B. All halogens are present in the same period C. All the alkali metals are present in the same group D. All the noble gases are present int he same period
9	Which of the following was discovered first:	A. Charge to mass ratio of electrons. B. Mass of electrons. C. Charge of electrons. D. All of above at same time.
10	Cl ₂ reacts with CS ₂ in presence of AlCl ₃ to form	A. CHCl ₃ B. CCl ₄ C. C ₂ H ₅ Cl D. C ₂ H ₆
11	The rate of reaction :	A. Increase as the reaction proceeds. B. Decreases as the reaction proceeds. C. Remains the same as the reaction proceed. D. May decrease or increase as the reaction proceeds.
12	Elements have the tendency to attain 8 electrons in their valence shell. This is known as	A. Octer rule B. Hunds rule C. Pauli exclusion principle D. Auf ban principle
		A. Nylon

13	Which of the following has ester linkage?	B. Bakelite C. Terylene D. PVC
14	ph of the buffer CH ₃ COOh + CH ₃ COONa is 3.76. If the mixture contains 1 molar acetic acid and 0.1 molar sodium acetate, then pKa of this buffer is	A. 3.76 B. 4.76 C. 5.76 D. 6.76
15	Which one of the following mixture shows positive deviation form Rault's law and forms an azetrope with minimum boiling point	A. Methanol + CCl ₄ B. Methanol + acetone C. Ether + HCl D. Acetone + chloroform
16	Question Image	A. High temperature B. Low temperature C. Low pressure D. High pressure
17	Fe can displace Cu form CuSO4solution because	A. Fe is ferromagnetic B. Fe is below Cu in electrochemical series C. Fe is above Cu in electrochemical series D. Fe exists in divalent oxidation state
18	Halogens on treating with silver salts of acids give	A. Alcohol B. Ester C. Phenol D. Alkyl halide
19	Which of the following elements is most metallic?	A. P B. As C. Sb D. Bi
20	The comparative rates at which the solutes move in paper chromatography, depend on:	A. the size of per sued. B. R _f values of solutes C. temperature of the experiment D. size of the chromatography tank used.