

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The principle quantum number describes	A. The distance from the nucleus B. The shape of the orbital C. The orientation of the orbital D. The spin of the electron
2	Which of the following synthetic fertilizer do not make soil acidic	A. Urea B. Thin urea C. Ammonium phosphate D. Potassium nitrate
3	Solvent extraction is an unstable, Process and it is controlled by:	A. Alcohol extraction B. Petrol extraction C. Phenol extraction D. Ether extraction
4	Cooling happens under the Joule Thomson Effect due to sudden	A. Contraction B. Absorption C. Expansion D. All of above
5	Protein are classified into	A. Simple protein B. Complex protein C. Derived proteins D. All of these
6	A reaction will also be called a spontaneous if :	A. It does no need energy to start with. B. It needs energy to carry the whole process. C. It needs energy at the end of reaction. D. It needs energy to stat with.
7	The four bonds of carbon in methane are directed towards the corners of	A. Cube B. Pentagon C. Hexagon D. Tetrahedron
8	Nitrogen in the atmosphere is:	A. 78% B. 21% C. 0.9% D. 0.03%
9	Which one of the following elements occurs free in nature?	A. N B. P C. As D. Sb
10	Coordination number of Pt in $[\text{PtCl}(\text{NO}_2)(\text{NH}_3)_4]^{2+}$ is	A. 2- B. 4 C. 1 D. 6
11	B-B'-dichloroethyl sulphide is commonly known as	A. Mustard gas B. Laughing gas C. Phosgene gas D. Bio gas
12	Which structure shows a tertiary alcohol	A. $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ B. $(\text{CH}_3)_3\text{COH}$ C. $(\text{CH}_3)_3\text{COH}$ D. $\text{CH}_3\text{CH}_2\text{OH}$
13	The radius of first orbit of hydrogen atom	A. 0.329 \AA B. 0.429 \AA C. 0.529 \AA D. 0.229 \AA
14	HCOOH reacts with conc. H_2SO_4 to produce	A. CO B. CO_2 C. NO D. NO_2

15	Grignard's reagent on treatment with chloramine give	A. Acetamide B. Primary amine C. Secondary amine D. Urea
16	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
17	Nitrogen is present in atmosphere	A. 36% B. 78% C. 89% D. 21%
18	The reaction between primary amine-chloroform and alcoholic caustic potash is called	A. Wurtz reaction B. Frankland reaction C. Cannizzaro's reaction D. Carbylamine reaction
19	Direct conversion of solid into vapours is called:	A. Crystallization B. Sublimation C. Obligation D. Vapourization
20	Which of these reactions is shown by butanone, $\text{CH}_3\text{COCH}_2\text{CH}_3$	A. On warming with acidified potassium dichromate (IV) the solution turns green B. On heating with Fehling's reagent a red precipitate is formed C. With 2,4-dinitrophenylhydrazine reagent an orange precipitate is formed D. With hydrogen cyanide an aldehyde is formed