

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following solution has the highest boiling point	A. 5.85% solution of sodium chloride B. 18.0% solution of glucose C. 6.0% solution of urea D. All have the same boiling point
2	Of the given alkali metals, the one with smallest size is	A. Rb B. Cs C. K D. Na
3	Which element has highest oxidation potential	A. Li B. Be C. Ba D. Ra
4	The element caesium bears resemblance with:	A. Ca B. Cr C. Both of the above D. None of these
5	The fibre which is made from acrylonitrile as monomer:	A. PVC B. Rayon fibre C. Acrylic fibre D. Polyester fibre
6	Most common oxidation states shown by cerium are	A. +2, +4 B. +3, +4 C. +3, +5 D. +2, +3
7	In endothermic reaction, the heat content of the	A. Products is more than that of reactants B. Reactants is more than that of products C. Both a and b D. None of the above
8	Which of the following nitrogen fertilizer contains more nitrogen	A. NaNO_3 B. KNO_3 C. NH_4NO_3 D. Urea
9	BiCl_3 on hydrolysis forms a white precipitate of	A. Bismuthic acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide
10	Question Image 	A. di(4-bormophenyl) method B. Methanol C. Propan-1-ol D. Propan-2-ol
11	Generally ionization energy of atoms decreases by	A. Decreases in atomic size B. Increase in atomic size C. Increase in nuclear charge D. None of these
12	The strongest forces are	A. Debye forces B. London dispersion forces C. Dipole-dipole attraction D. Hydrogen
13	Which is not a fossil fuel	A. Petroleum B. Coal C. Natural gas D. None of them
14	How many g of dibasic acid (mol. wt. 200) should be present in 100 ml of the aqueous solution to give 0.1 Normality?	A. 1 g B. 2 g C. 10 g D. 20 g
15	Transition elements have valence electrons in	A. s-orbital B. p-orbital C. d-orbital D. f-orbital

		D. f-orbital
16	In the reaction $K_2Cr_2O_7 + HCl + CrCl_3 + Cl_2 + H_2O$ the element which is reduced is	A. K B. Cl C. Cr D. H
17	If Grignard reagent is allowed to react with another alkyl halide the main product is	A. An alkane B. Cyclo alkane C. Alkyne D. An alkene
18	Which of the following does give violet colour with neutral ferric chloride?	A. Acetic acid B. Salicylic acid C. Formic acid D. Benzoic acid
19	In the particular reaction for the value $K_c = 1 \times 10^{-25}$ which statement is correct :	A. Almost forward reaction is completed. B. Amount of reactant is negligible as compared to product. C. Amount of product is negligible as compared to reactant. D. Amount of product is equal to amount of reactant.
20	In preparation method of carboxylic acids from alkyl halides always carboxylic acid formed which have carbon atoms:	A. One less than in $R-X$ B. One more than in $R-X$ C. Equal to $R-X$ D. Double to $R-X$