

ECAT Chemistry MCQ's Test For Full Book

| Sr | Questions | Answers Choice |
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| 1 | A complete chemical characterization of a compound must include | A. Qualitative analysis B. Chemical analysis C. Quantitative analysis D. Both a and c |
| 2 | 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. |
| 3 | General formula of alkyl halide is: | A. R---X B. R---OH C. R---COH D. R---COOH |
| 4 | Aromatic hydrocarbons are the derivatives of: | A. Normal series of paraffins B. Alkene C. Benzene D. Cyclohexane |
| 5 | K, Ca and Li metals may be arranged in decreasing order of their reduction potential as : | A. Li, K, Ca B. Ca, K, Li C. Li, Ca, K D. K, Ca, Li |
| 6 | The credit of discovering neutron goes to | A. Rutherford B. Langmuir C. Chadwick D. Austen |
| 7 | The quantum number which describes the shape of the orbital is | A. Principle quantum number B. Spin quantum number C. Azimuthal quantum number D. Magnetic quantum number |
| 8 | The conversion of n-hexane into benzene by heating in the presence of CO, is called | A. Isomerization B. Aromatization C. Dealkylation D. Rearrangement |
| 9 | The overlapping of two partially filled atomic orbital is in such a way that the probability of finding the electron pair is maximum along the axis joining the two nuclei, the bond is | A. Sigma bond B. Pi bond C. Ionic bond D. Non-polar bond |
| 10 | In a reversible reaction, two substances are in equilibrium. If the concentration of each one is reduced to half, the equilibrium constant will be | A. Reduced to half of its original value B. Doubled C. Same D. Reduced to one fourth its original value |
| 11 | H-bonding is not present in | A. Glycerine B. Water C. Hydrogen sulphide D. Hydrogen fluoride |
| 12 | In macromolecules DP stands for | A. Dissociation parameter B. Dissociation polymer C. Degree of polymerization D. None of these |
| 13 | Benzene gives reactions generally | A. electrophilic B. addition substitution C. synthesis D. addition and electrophilic substitution |
| 14 | | A. The axial p-p overlap B. The sidewise p-p overlap |

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| 14 | Fluorine molecule is formed by | C. The axial s-p overlap D. The overlap of two sp^2 hybrid orbitals |
| 15 | Which reaction is too vigorous to control | A. Chlorination B. Bromination C. Iodination D. Fluorination |
| 16 | Which gas is not a constituent of atmosphere | A. Xe B. O_3 C. H_2 D. F_2 |
| 17 | The intramolecular force in gases are : | A. Weak B. Normal C. Very weak D. Strong |
| 18 | Group VII-A elements are called: | A. s-block elements B. p-block elements C. d-block elements D. f-block elements |
| 19 | An artificial smell of banana is produced in many articles y using esters which of the following is that | A. Amyl acetate B. Isoamyl valerate C. Octyl acetate D. Methyl butyrate |
| 20 | The silver bromide in hypo ($Na_2S_2O_3$) solution is | A. Soluble B. Not soluble C. Precipitated D. Not effect |