# MDCAT Chemistry Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | A chemical inert and heat resistant plastic, that is made from tetrafluoroethylene, is called | A. teflon<br>B. PVC<br>C. Bakelite<br>D. polyamide |
| 2 | Which one of the following amino acids is basic in nature? | A. Glycine<br>B. Alanine<br>C. Lysine<br>D. Glutamic acid |
| 3 | Polypeptides are formed from amino acids by | A. Oxidation<br>B. Addition<br>C. Condensation<br>D. Reduction |
| 4 | 2-Propenol, on rearrangement, yields | A. Propanal<br>B. Propanone<br>C. 2-propano<br>D. Both A and B |
| 5 | Macromolecular hypothesis acceptance due to efforts of standinger came about in: | A. 1910<br>B. 1920<br>C. 1930<br>D. 1940 |
| 6 | The compound used to distinguish the ethyne and ethene is | A. Alkaline KMnO4<br>B. Ammonical AgNO3<br>C. Bromine water<br>D. Tollen's Reagent |
| 7 | Coal contains percentage of sulphur: | A. 1-9%<br>B. 5-9%<br>C. 6-9%<br>D. 7-9% |
| 8 | An example of bydrolase is | A. Amylase<br>B. Lipase<br>C. Fumarase<br>D. A,C |
| 9 | In the cyclic structure of the glucose when the position of atoms on carbon 1 is called one isomer changes to other. These isomers of glucose are called: | A. metamers <br><br>B. position isomers <br><br>C. cis-trans <br><br>D. annomers <br> |
| 10 | Enzymes have been classified on the basis of | A. protein structure<br>B. prosthetic groups<br>C. type of reaction they catalyse<br>D. bonding in them |
| 11 | The most complex strueture a single polypetide can assume is | A. 1° structure<br>B. 2°structure<br>C. 3° structure<br>D. 4° structure |
| 12 | ΔH° represent the enthalpy change at | A. 0°C and 1 atm pressure<br>B. 25°Cand 1atm<br>C. 0K and I atm pressure<br>D. 25°C and 2 atm pressure |
| 13 | By the mid of 1980s depletion of total overhead ozone in antarctic region is | A. 20%<br>B. 30%<br>C. 40%<br>D. 50% |
| 14 | When HCl gas is passed through saturated solution of rock salt, the solubility of NaCl | A. Increases<br>B. May increase or decrease<br>C. Decreases<br>D. None of these |
| 15 | Zwitterion is formed by | A. Lysine<br>B. Benzoic acid<br>C. Aniline<br>D. Acetamide |

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| 16 | The volume of gas depends upon the------- moleules | A. Size of<br>B. Space between<br>C. Molecular weight<br>D. both a and b |
| 17 | Formation of Picric acid from phenol needs heating, one possible reason for it is | A. acidity of phenol<br>B. e- donating nature of-OH<br>C. acidity of picric acid<br>D. e- with drawing effect of- NO2 |
| 18 | Which one of the following statements about glucose and sucrose is incorrect | A. Both are soluble in water<br>B. Both are naturally occurring<br>C. Both are carbohydrates<br>D. Both are disacharides |
| 19 | Hydrolysis of alkyl nitriles gives: | A. Alkane<br>B. Alkyl halide<br>C. Alkyl nitride<br>D. Minerals acids & Alkalies |
| 20 | The gases in the atmosphere are essential for sustaining life on earth. Thus oxygen is required for breathing. What for is carbon dioxide required | A. To help plant to under go photosynthesis<br>B. To destroy nitrogen oxide from the atmosphere<br>C. To help to clean the atmosphere<br>D. To help in fixing of bacteria |