

## MDCAT Chemistry Chapter 20 Macromolecules MCQ's Test

| Sr | Questions  | Answers Choice  |
|----|--|---|
| 1  | Which is the optimum temperature for the activity of enzyme  | A. 20 - 35°C<br>B. 10 - 15°C<br>C. 55 - 70°C<br>D. 35 - 55°C  |
| 2  | Choose a point which is not included in the components of environment:   | A. stratosphere <br><br>B. hydrosphere <br><br>C. lithosphere <br><br>D. biosphere <br>   |
| 3  | Photochemical smog contains----as main reactants   | A. Nitrous oxide & unburnt hydrocarbons<br>B. NO & burnt hydrocarbons<br>C. Nitric oxide & unburnt hydrocarbons<br>D. N <sub>2</sub> O & burnt hydrocarbons |
| 4  | Lipids, proteins, carbohydrates and nucleic acids belong to macromolecules:  | A. inorganic<br>B. organic<br>C. Biopolymer<br>D. synthetic   |
| 5  | Optimum PH rang for amylases is  | A. 6 - 6.4<br>B. 6.4 - 6.6<br>C. 6.4 - 6.9<br>D. 6.6 - 6.9  |
| 6  | Which one of the following enzymes brings about the hydrolysis of fats   | A. Urease<br>B. Maltase<br>C. Zymase<br>D. Lypase   |
| 7  | The structure of a polymer depends upon how the monomer-repeating unit joins to make a polymer. What is not the type of structure of a polymer | A. Synthetic polymer<br>B. Linear polymer<br>C. Branched<br>D. Cross linked or inter connected polymer  |
| 8  | Polyesters resins have special use in:   | A. Clothing<br>B. Paints<br>C. Emulsion<br>D. Floor covering  |
| 9  | Industrial materials and thermal power stations are coated by  | A. PVC<br>B. Polyester<br>C. Epoxy resin<br>D. PVA  |
| 10 | The primary building blocks of lipids are  | A. Fatty acid<br>B. Glycerol<br>C. Sterols<br>D. All  |
| 11 | Cotton is an example of  | A. animal fibre<br>B. mineral fibre<br>C. vegetable fibre<br>D. synthetic fibre   |
| 12 | On hydrolysis sucrose gives  | A. Glucose and maltose<br>B. Fructose and lactose<br>C. Fructose and maltose<br>D. Glucose and fructose   |
| 13 | CFCs destroy ozone layer. How many ozone molecule a chlorine free radical can destroy?   | A. 50000<br>B. 20000<br>C. 100000<br>D. 10000   |
| 14 | Thrombin is locally used to stop   | A. Heart disease<br>B. Bleeding<br>C. Blood<br>D. None of these   |
|    |  | A. Glucose and glucose  |

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|----|---|---|
| 15 | Cane sugar on hydrolysis gives  | B. Glucose and lactose<br>C. Fructose and fructose<br>D. Glucose and fructose   |
| 16 | In macromolecules DP stands for   | A. Dissociation parameter<br>B. Dissociation polymer<br>C. Degree of polymerization<br>D. None of these                   |
| 17 | Which one of the following is co-polymer  | A. PVC<br>B. PVA<br>C. Polystyrene<br>D. Terylene   |
| 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 disaccharides |
| 19 | Simple sugars are:  | A. Monosaccharides<br>B. Disaccharides<br>C. Oligo saccharides<br>D. Trisaccharides                                       |
| 20 | Ammonia gas used directly as a fertilizer injected into the soil at a depth of about: | A. two inches <br><br>B. three inches <br><br>C. five inches <br><br>D. six inches <br>                                   |