

## MDCAT Chemistry Chapter 20 Macromolecules MCQ's Test

| Sr | Questions   | Answers Choice  |
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| 1  | If a polymer has mass 63000, and the molar mass of repeating unit is 63 what is its degree of polymerization is | A. $10^3$<br>B. $10^2$<br>C. $10^5$<br>D. None of these   |
| 2  | Which of these polymer is synthetic polymer   | A. Animal fat<br>B. Starch<br>C. Cellulose<br>D. Polyester  |
| 3  | CFCs destroy ozone layer, How many ozone molecule a chlorine free radical can destroy:                          | A. 50,000<br>B. 100,00<br>C. 20,000<br>D. 10,000  |
| 4  | For every reaction occurring in the body three is at least one type of  | A. enzyme<br>B. vitamin<br>C. protein<br>D. reactant  |
| 5  | Which process of pulp making is mostly used in Pakistan?  | A. Kraft process<br>B. Sulphite process<br>C. Neutral sulphite semi chemical process (NSSC)<br>D. All of these  |
| 6  | Which of the following is incorrect for glucose & sucrose   | A. Both are water soluble<br>B. Natural polymers<br>C. Source of energy<br>D. Carbohydrate in nature  |
| 7  | The reason of acid rain is:   | A. release of CO in excess by in complete combustion<br>B. excess release of $\text{NO}_2$ and $\text{SO}_2$ from burning of fossil fuels<br>C. Formation of $\text{NH}_3$ in excess form industry and coal gas<br>D. Formation of excess $\text{CO}_2$ due to combustion and respiration |
| 8  | Which one of the following is the most abundant organic substance found in nature?                              | A. fructose<br>B. starch<br>C. glucose<br>D. cellulose  |
| 9  | Type of polymer formed by the polymerization of two monomers is:  | A. homopolymer<br>B. copolymer<br>C. ter polymer<br>D. All of these   |
| 10 | Cane sugar on hydrolysis gives  | A. Glucose and glucose<br>B. Glucose and lactose<br>C. Fructose and fructose<br>D. Glucose and fructose   |
| 11 | Primary pollutant is that:  | A. Waste product of an industry<br>B. Which causes cancer<br>C. Whose concentration cannot be controlled<br>D. Which corrode the metal only   |
| 12 | Which of the following carbohydrates is used in silvering of mirrors  | A. Sucrose<br>B. Cellulose<br>C. Fructose<br>D. Glucose   |
| 13 | Which oxide when mixed with water, will produce the most acidic solution?                                       | A. CO<br>B. $\text{CO}_2$<br>C. $\text{SiO}_2$<br>D. $\text{P}_2\text{O}_5$   |
|    |   | A. The cracking of petroleum fractions  |

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| 14 | In which of these processes are small organic molecules made into macro-molecules?   | B. The fractional distillation of crude oil<br>C. The polymerization of ethane<br>D. The hydrolysis of proteins |
| 15 | Which one of the following is co-polymer   | A. PVC<br>B. PVA<br>C. Polystyrene<br>D. Terylene   |
| 16 | Cholesterol is a precursor of steroid hormones. Choose the class of steroid  | A. A carbohydrate<br>B. A hydrocarbon<br>C. A natural lipid<br>D. A protein a hydrocarbon                       |
| 17 | Which of the following brings about the conversion of starch into maltose?   | A. maltase<br>B. zymase<br>C. diastase<br>D. invertase  |
| 18 | Surface and ground water sources are contaminated by various human activities. Which of the following is not a human activity that cause contamination of fresh water? | A. Rain<br>B. Oil leaks-& spills<br>C. Livestock waste<br>D. Disposal of industrial effluents                   |
| 19 | Oxidation reduction is done by   | A. Oxidoreductase<br>B. Lipases<br>C. Lyase<br>D. None of these   |
| 20 | Select the name of ready plant from which word "Paper" is derived:   | A. sun flower <br><br>B. papyrus <br><br>C. water hyacinth <br><br>D. rose <br>                                 |