

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	In the transition state of S <sub>2</sub> mechanism reaction with alkyl halides, which of the following orbital hybridization is involved	A. sp <sup>3</sup> B. sp C. sp <sup>2</sup> D. dsp <sup>3</sup>
2	Steroid belong to the family of:	A. protein   B. enzyme   C. lipids   D. carbohydrates  
3	Exposure to CO results in	A. Headche B. Fatigue C. Unconsciousness D. All of these
4	Which is not considered as pollutant	A. O <sub>3</sub> B. CO <sub>2</sub> C. NO <sub>2</sub> D. SO <sub>2</sub>
5	In ethyl alcohol, the bond that undergoes heterolytic cleavage most readily is	A. C-C B. C-O C. C-H D. O-H
6	Diseases like dysentery, typhoid and hepatitis are caused by mixing of in water:	A. Live stock wastes B. Oil spillage C. detergents D. pesticides
7	Which of the following amino acid is named due to its taste	A. Alanine B. Lysine C. Valine D. Glycine
8	For formation of ionic bond, electronegativity difference should be	A. Equal to zero B. Equal to 0.5 C. More then 1.7 D. Less than 1.7
9	Protein may have	A. Primary structure B. Secondary structure C. Tertiary structure D. All of these
10	The oxidation of 1 - propanol in the presence of H <sub>2</sub> SO <sub>4</sub> , +K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> produces final product	A. Acetaldehyde B. Propanal C. Acetone D. Propanoic acic
11	Which among the following will show anisotropy?	A. Wood B. Glass C. Paper D. BeCl <sub>2</sub>
12	The optimum PH value fro the enzyme pepsin is:	A. 10 B. 1.4 C. 2 D. 8
13	Formic acid is obtained from red out by:	A. Distillation B. Crystallization C. Filtration D. Sublimation
14	The carbon atom of an alkyl group attached with halogen atom is called	A. Electrophile B. Free redical C. Nucleophile D. Nucleophilic centre
15	The essential property of a fertilizer is that it should be.	A. Partially soluble B. Highly soluble C. In soluble D. Immiscible

16	Solid waste of the city is disposed off by dumping in a landfill. Which of the following gas is produced in the landfill	A. Oxygen B. Chlorine C. Hydrogen sulphide D. Hydrogen chloride gas
17	Monosaccharide belongs to the groups:	A. fats   B. carbohydrates   C. lipids   D. proteins  
18	If K <sub>c</sub> value is small then equilibrium position will shift	A. Towards left B. Remains unchanged C. Towards right D. It is always constant value
19	The pi-electrons in the styrene are	A. 13 B. 10 C. 8 D. 6
20	In elimination reaction i.e, in the formation of alkene, the reactivity of alkyl halide is in the order:	A. Cl>Br>I B. I>Br>Cl C. Br>Cl>I D. I>Cl>Br