

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is more reactive where O-H bonds break	A. P°alcohol B. T° alcohol C. S°alcohol D. Cannot be predicated
2	On hydrolysis sucrose gives	A. Glucose and maltose B. Fructose and lactose C. Fructose and maltose D. Glucose and fructose
3	Reaction of alcohol with hydrogen chloride, in the presence of Zinc chloride yields	A. Ketone B. Carboxylic C. Alkyl halide D. Ester
4	Coal contains sulphur in it:	A. 1-3% B. 1-6% C. 1-9% D. 1-12%
5	Bond will be covalent when electronegativity difference of bonded atom is	A. Equal to 1.7 B. between 0.5 to 1.7 C. Greater to 1.7 D. zero
6	Which ion has maximum number of unpaired electrons in 3d subshell and shows maximum paramagnetic behavior?	A. Cr+3 B. Ni+2 C. Co+2 D. Fe+3
7	What is not true about DNA?	A. it preserves genetic information B. Synthesizes protein C. it has a linear structure D. To replicates
8	The degree of unsaturation in fats or oils is usually measured by numbers of grams of iodine required by 100 grams of fat, this is called	A. oil number B. saturation number C. iodine number D. un saturation number
9	Reaction of ethyl bromide with ammonia	A. <div>Completes in a single step</div> </div> B. Completes in two steps C. Continues till N is left with no lone pair D. is reversible
10	Newspapers can be recycled again and again by how many times?	A. 5 B. 3 C. 2 D. 4
11	Which of the following substance is used as filler or additive in paper making:	A. Glucose B. Starch C. Fructose D. Cellulose
12	How much quantity of water is in the domestic use	A. 0.08% B. 16% C. 24% D. 90%
13	Acidic character of amino acid is due to:	A. -NH <sub>2</sub> B. -N+H <sub>2</sub> C. -COOH D. -COO-
14	Molten lead and lead (II) bromide both conduct electricity. Which one of the following statements relating to this is true?	A. Both undergo chemical change when they conduct B. Both conduct by the movement of charge particles C. Both will also conduct in the solid state D. Both contain mobile electrons

15	Water is purified by:	A. Filtration B. aeration C. coagulation D. All of these
16	Propanone does not undergo	A. Oxime formation B. Reduction of Fehling solution C. Hydrazone formation with hydrazine D. Reaction with HCN
17	Which reactant does not liberate water on reaction with alcohol	A. $\text{NH}_3$ B. $\text{K}_2\text{Cr}_2\text{O}_7/15\text{H}_2\text{O}$ C. $\text{HCl}$ D. $\text{PCl}_3$
18	Butane molecule can have max no of isomers.	A. 4 B. 5 C. 3 D. 2
19	The normal amount of overhead ozone is about in DU:	A. 150 B. 250 C. 350 D. 450
20	A single chlorine free radical can destroy the ozone molecules	A. 100 B. 100000 C. 10000 D. 10