

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Activity of the enzyme is reduced by	A. temperature B. concentration C. pH D. inhibitors
2	The simplest separating unit of a polymer is called:	A. Monomer B. Dimer C. Trimer D. Macromer
3	Dehydrohalogenation of secondary butyl bromide will give	A. Propene B. 1-Butene C. Butene D. 2-Butene
4	Which one of the following polymer is called as Nylon 6,67	A. Polyester B. Polyvinyl chloride C. Polyamide D. Polyvinyl acetate
5	Which of these polymers is a synthetic polymer?	A. animal fat B. starch C. cellulose D. polyester
6	In which of these processes are small organic molecules made into macro-molecules?	A. The cracking of petroleum fractions B. The fractional distillation of crude oil C. The polymerization of ethane D. The hydrolysis of proteins
7	Ice occupies more space than liquid water	A. 9% B. 10% C. 11% D. 12%
8	What is name of hydrated variety of quartz?	A. Rose quartz B. Smokey quartz C. Silica D. Opal
9	.Both aldehydes and ketones are planar to the neighborhoods of carbonyl (C=O) group. Which one of the following bonds is distorted towards the oxygen atoms?	A. pi-bond of C and O B. Sigma bond of C and O C. Sigma bond of C and H D. Sigma bond of C and C
10	The smog having high contents of SO <sub>2</sub> is	A. Neutral smog B. Reducing smog C. Oxidizing smog D. Artificial smog
11	A combination of glucose and fructose is called	A. sucrose B. table sugar C. a & b D. Lactose
12	The water is considered to be polluted when the concentration of oxygen in it is	A. 6 - 9ppm B. 6 ppm C. 8 ppm D. Less than 4ppm
13	There are 20 amino acids found in protein which is not the property of these amino acids	A. They are all alpha-amino acids B. They are all optically active C. They have high decomposition point D. They are water soluble
14	What will be the shape of a molecule which contains two sigma bond pairs and one lone pair?	A. Linear B. V shape C. Tetragonal D. Triangular

A. Ethanol

15	Halogen is a halo derivative of	B. Methane C. Methanol D. Ethane
16	The enthalpies of all elements in their standard states are	A. Unity B. always +ve C. always -ve D. zero
17	The structural isomerism arises due to the difference in the	A. Number of atoms in the molecule B. Arrangements of atoms in the molecule C. Number as well as arrangement of atoms in the molecule D. Spatial arrangement of atoms
18	Starch gives _____ color with iodine:	A. blue   B. red   C. yellow   D. green  
19	Ozone layer is present in	A. Troposphere B. Stratosphere C. Mesosphere D. Ionosphere
20	When wine is put in air, it becomes sour due to	A. Oxidation of C <sub>2</sub> H <sub>5</sub> OH B. Formation of C <sub>2</sub> H <sub>5</sub> NH <sub>2</sub> C. Reduction of C <sub>2</sub> H <sub>5</sub> OH D. Dissolution of CO <sub>2</sub>