

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of following is oxidation state of oxygen in peroxides?	A. -2 B. 1/2 C. -1 D. +2
2	Contamination of Hg comes into surface water from chlor industrial wastes. Why is Hg Toxic.	A. It attaches to sulphur of the disulphide link B. Hg is a heavy metal C. Hg is liquid at room temperature D. Hg is non reactive chemically
3	If a gas expands at constant temperature	A. The pressure decreases B. The Kinetic energy of the molecules remains the same C. The kinetic energy of the molecules decreases D. The number of molecules of the gas increase
4	d-d transition cannot be shows by	A. Cu+1 B. Sc+3 C. Zn+2 D. All
5	The half life of N <sub>2</sub> O <sub>5</sub> at 0 oC is 24 minutes. How long will it take for sample of N <sub>2</sub> O <sub>5</sub> to decay to 25% of its original concentration?	A. 24 minutes B. 72 minutes C. 120 minutes D. 40 minutes
6	The chemical reactivity of glass is reduced by the use of	A. fluxes B. formers C. stabilizers D. none of the above
7	Geometry of NH <sub>3</sub> is	A. <sup>Tetrahedral</sup> B. Square planer C. Pyramidal D. Linear
8	About 25% of earth crust mass is made up of element	A. Oxygen B. Silicon C. Aluminium D. Aluminates
9	When 1-butene reacts with bromine, the product formed will be	A. 1, 3-dihydroxy butane B. But-1, 2-diol C. 1, 3-dihydroxy butan-diol D. 1,2-dibromo butane
10	Increased awareness of environmental issues has led chemists to develop products and processes that do not impact on the environment in terms of pollution or depletion of sources. To help chemist to achieve this aim, some principles are drawn. Which one is not the guiding principle	A. Avoid waste production B. Use no solvent C. Use a catalyst D. Devise a multistep procedure for synthesis of new compounds
11	Denaturation of proteins is often characterised by	A. Loss of biological activity B. Always being irreversible C. Being erreater the lower the temperature D. Changes in primary structure
12	Which one of the following is a water soluble vitamin?	A. niacin   B. rioflavin   C. trypsin   D. ascorbic acid  
13	The development of disagreeable odour in fats or oil is called	A. fragrance B. perfume C. rancidity D. smell
14	Which one of the following does not act as pollutant?	A. carbon monoxide   B. sulphur dioxide   C. hydrocarbons   D. nitrogen dioxide  

D. carbon dioxide <br>

15	Which of the following is most found in protein molecule	A. Carbon B. Hydrogen C. Oxygen D. Nitrogen
16	How many fertilizer plants are now in Pakistan?	A. 20 B. 14 C. 12 D. 10
17	Which of the following is not heterocyclic compound?	A. Naphthalene B. Furan C. Pyridine D. Pyrrole
18	Which one increases by common ion effect except?	A. Crystallization B. Solubility C. Association of ions D. All of these
19	The reaction between fat and NaOH is called?	A. Esterification B. Hydrogenolysis C. Fermentation D. Sponification
20	Which of the following reactants will be required to form ethene from ethyl chloride	A. <sub>Alcoholic KOH</sub> B. Alkaline KMnO <sub>4</sub> C. Aqueous KOH D. Aqueous NaOH