

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Macromolecular hypothesis acceptance due to efforts of standinger came about in:	A. 1910 B. 1920 C. 1930 D. 1940
2	If an endothermic reaction is allowed to take place very rapidly in air, the temperature of the surrounding air will	A. Remains constant B. Increase C. Decrease D. Either increase or decrease E. One Joule is equivalent to
3	Which one is more toxic?	A. Fe B. C C. Hg D. Ag
4	Reaction of acetic acid with LiAlH ₄ gives	A. Ethanol B. Ethanal C. Ethane D. Ethyl acetate
5	2,5-dimethyl-1-hexene has	A. Two sp ² hybridized carbons B. Six sp ² hybrid carbons C. Two double bonds D. Four pi electrons
6	The conversion of molecules of A to B follows a second order kinetics. Doubling the concentration of A will increase the rate of formation of B by a factor of	A. 2 B. 4 C. 1/2 D. 1/4
7	Which of the following is basic amino acid	A. Lysine B. Histidine C. Proline D. Both a and b
8	Biochemical oxygen demand (BOD) is the capacity of organic matter in natural water to consume oxygen with in a period of:	A. 2 days B. 6 days C. 5 days D. 7 days
9	Which compound is not formed as a result of reaction between acetic acid & HI & red phosphorous	A. Ethanol B. Water C. Iodine D. Ethane
10	Chemicals used to kill pests are:	A. Herbicides B. Insecticides C. Pesticides D. fungicides
11	Fourth structure of protein structure refers to	A. Proteins formed of more than one monomer B. Myoglobin is an example C. Depends on covalent bonds D. None of these
12	A nucleoside may be	A. Ribonucleoside B. Deoxyribonucleoside C. Both a and b D. None
13	Large molecules with high molecular mass formed due to smaller units are called:	A. polymer B. macromolecule C. micromolecule D. a & b
14	One of the following is neutral amino acid	A. Arginine B. Lysine C. Glutamine D. Valine
15	Water is made disinfectant during purification of water to the step:	A. aeration B. coagulation C. chlorination

		D. treatment
16	Elements having high ionization potential values are	A. metals B. non- metal C. liquids D. solid
17	in diamond a unit cell is tetrahedral and overall crystal structure is	A. face centred cubic B. body centred cubic C. tetrahedral D. hexagonal
18	Which of following is NOT use the polyvinylacetate (PVA)	A. An adhesive material B. Binder for emulsion C. Used as gramophone D. None as these
19	All of the following are primary aminoacids except	A. Cysteine B. Cystine C. Alanine D. Arginine
20	There are four orbitals s,p,d and f , which order is correct with respect to the increasing energy of the orbitals?	A. 4s < 4p < 4d < 4f B. 4s < 4f < 4p < 4d C. 4p < 4s < 4f < 4d D. 4f < 4s < 4d < 4p