

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	For a chemical reaction to occur	A. The vessel shall be open B. Reacting molecules should have less energy than Ea at time of collision C. Reacting molecules must be properly oriented and energy more than or equal to Ea D. The reacting molecules must not collide with each other
2	Which of these polymers is a synthetic polymer	A. Starch B. Animal fat C. Polyester in an addition polymer D. Cellulose
3	Which of the following category of enzyme catalyze addition of Ammonia	A. Ligases B. Lyases C. Isomerases D. Pepsinogen
4	Correct order for the reactivity ofalkyl halide in S, reactions	A. R-l>R-F>R-Cl B. R-F>R-Cl>R-I C. R-l>R-Cl>R-F D. R-Cl>R-l>R-F
5	A single free chlorine redical can destroy ozone molecules upto:	A. 100000 B. 100 C. 1000 D. 10000
6	Zn has	A. Zero unpaired electrons B. Three unpaired electrons C. Five unpaired electrons D. One paired electrons
7	State of hybridization of carbon in the carbocation is	A. sp3 B. sp C. sp2 D. dsp2
8	Detergents are:	A. synthetic products B. natural product C. both a and b D. none of the above
9	Fine powder gypsum is mixed with clinker up to:	A. 4% B. 6% C. 5% D. 7%
10	a hole used to dump the municipal wastes is called:	A. landfill B. effluents C. leachate D. inclneration
11	Photochemical smog consists of higher concentration of:	A. Oxidants B. Ozone C. a & D. NO ₃
12	Which of the following is the repeating monomeric unit in cellulose?	A. sucrose B. maltose C. cellobiose D. glucose
13	Which element of group V-A and VII-A does not use d-orbital?	A. Nitrogen B. Sulphur C. Arsenic D. Chlorine
14	The existence of an element in more than one form is called	A. allotropy B. isomorphism C. polymorphism D. isotropy

15	Which of the following alcohols is least reactive with respect to 0-H bond	A. CH3OH B. CH-CH2-OH C. (CH3)2-CH-OH D. (CH3)3OH
16	Which one of the following is NOT a nucleophile	A. NH2+ B. BF3 C. H2O D. CH3-
17	Halogen are being used as fire extinguisher, mild antiseptic, CFCs and many other organic chemicals. Which of the following halogen is used to kill the bacteria in drinking water.	A. Bromine B. Fluorine C. Chlorine D. lodine
18	In the presence of hot alkaline potassium permanganate solution 2-butene will give	A. Formic acid +acetic acid B. Two moles ethanoic acid C. Two moles of methanoic acid D. Ethylene glycol
19	The enzyme which is found in saliva, accelerates the conversion of starch into sugar is	A. Pepsin B. Thrombin C. Ptyalin D. Fumarase
20	Ozone in most of the tropical regions acts as a pollutant and cause	A. damages to eyes B. aggravates asthma C. chest discomfort D. all of these