

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The reaction which is responsible for the production of electricity in the voltaic cell is	A. Hydrolysis B. Oxidation C. Reduction D. Redox
2	$\Delta H = \Delta E$ is true for which of the following reaction	A. $K + H_2O \rightarrow KOH + H_2$ B. $N_2 + 3H_2 \rightarrow 2NH_3$ C. $AlCl_3 + 3NaOH \rightarrow Al(OH)_3 + 3NaCl$ D. $4Na + O_2 \rightarrow 2Na_2O$
3	The origin of acidic nature of alkyne is?	A. small size of C B. Small size of H C. polarity of triple bond D. sp hybridization
4	Molar mass of formic acid in benzene comes out to be	A. 64 B. 46 C. 32 D. 92
5	The number of unpaired electrons present in Fe ions is	A. 1 B. 2 C. 5 D. 0
6	Iodine value of an oil or fat may be defined as	A. the number of grams of iodine taken up by 1 g of the oil or fat B. the number of grams of iodine taken up by 10 g of the oil or fat C. the number of grams of iodine taken up by 100 g of the oil or fat D. none of the above
7	Which of the following is not glyceride	A. Soap B. Phospholipids C. Oil D. Fat
8	Two or more similar monomers combine to form:	A. Homopolymer B. Copolymer C. Ter polymer D. Thermoplastic polymer
9	Which gas is not a constituent of atmosphere?	A. Xe B. O_3 C. H_2 D. F_2
10	What is the formula of dolomite?	A. $CaMg_3(SiO_3)_4$ B. $MgCO_3$ C. $MgCO_3 \cdot CaCO_3$ D. $MgSO_4$
11	L-asparaginase is helpful in treatment of	A. skin disease B. blood cancer C. heart failure D. obstructive jaundice
12	Which of the elements has seven electrons in d-subshell?	A. Zn B. Co C. Cu D. Fe
13	Which of the compounds cannot show positional isomerism?	A. Alkanes B. Alkenes C. Alkynes D. Alcohols
14	The simplest separating unit of a polymer is called:	A. Monomer B. Dimer C. Trimer D. Macromer

15	The rate of E1 reaction depends upon	<p>A. The concentration of substrate</p> <p>B. The concentration of substrate as well as nucleophile</p> <p>C. The concentration Nucleophilic</p> <p>D. Nature of Catalyst</p>
16	Monosaccharides and oligosaccharides are generally called as	<p>A. Crystal</p> <p>B. Sugars</p> <p>C. liquids</p> <p>D. Non-sugars</p>
17	Rusting of iron is the example of	<p>A. Fast</p> <p>B. Slow</p> <p>C. moderate</p> <p>D. depends upon conditions</p>
18	Which of the following is electrophile for alkylation?	<p>A. NO₂⁺</p> <p>B. SO₃</p> <p>C. R⁺</p> <p>D. Both a & b</p>
19	Bonding in MgO is an example of	<p>A. Ionic bond</p> <p>B. Polar bond</p> <p>C. Covalent bond</p> <p>D. Coordination covalent bond</p>
20	Which of the following reagents is used to distinguish between aldehydes and ketones.?	<p>A. 2,4 NDPH</p> <p>B. Bromine</p> <p>C. Alkaline Iodine</p> <p>D. Tollen's reagent</p>