

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	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>
2	The normal amount of overhead ozone is about in DU:	<p>A. 150</p> <p>B. 250</p> <p>C. 350</p> <p>D. 450</p>
3	Which one of the following elements is not an alkali metal?	<p>A. Na</p> <p>B. Sr</p> <p>C. Cs</p> <p>D. Rb</p>
4	Which is the following is true about galvanic cell:	<p>A. Reduction occurs at cathode</p> <p>B. Reduction occurs at anode</p> <p>C. Anode is negatively charged</p> <p>D. Cathode is positively charged</p>
5	Reactivity of carbonyl compounds is due to	<p>A. Electrophilic carbon</p> <p>B. Less steric hindrance</p> <p>C. Unsaturation of C=O</p> <p>D. Polarity of bond</p>
6	Aromatic carboxylic acids have carboxyl group attached to group:	<p>A. Alkyl group</p> <p>B. Aryl group</p> <p>C. Phenyl group</p> <p>D. Benzyl group</p>
7	Electronic configuration of Gold [Au79] is	<p>A. $[\text{Xe}] 4f^{14}, 5d^{10}, 6s^1$</p> <p>B. $[\text{Xe}] 4f^{10}, 5d^{10}, 6s^2$</p> <p>C. $[\text{Xe}] 4f^{14}, 5d^9, 6s^2$</p> <p>D. $[\text{Xe}] 4f^{14}, 5d^{10}, 6s^2$</p>
8	An organic acid 'Z' reacts separately with sodium bicarbonate, sodium hydroxide and sodium carbonate. Which one of the following represent the structure of 'Z'?	<p>A. HCOOC₂H₅</p> <p>B. CH₃-CH=CH₂</p> <p>C. CH₃CH₂OH</p> <p>D. H₃C-CH₂-COOH</p>
9	Oxides of sulphur react in atmosphere by various reactions to form:	<p>A. sulphates</p> <p>B. sulphites</p> <p>C. sulphides</p> <p>D. sulphate aerosols</p>
10	Helical structure of protein is stabilized by	<p>A. Peptide bond</p> <p>B. Dipeptide bond</p> <p>C. Van der Waals forces</p> <p>D. Hydrogen bonding</p>
11	Type of bond between nitrogen and carbonyl group	<p>A. Hydrogen bonds</p> <p>B. Covalent bond</p> <p>C. Peptide bond</p> <p>D. Disulphide bond</p>
12	The specific substance (metabolite) that fits on the enzyme surface and is converted to products is called	<p>A. Co-factor</p> <p>B. Isoenzyme</p> <p>C. Prosthetic group</p> <p>D. Substrate</p>
13	One of the following is not type of polymer	<p>A. homopolymer</p> <p>B. copolymer</p> <p>C. heteropolymer</p> <p>D. terpolymer</p>
14	Water covers earth surface more than:	<p>A. 50%</p> <p>B. 60%</p> <p>C. 70%</p> <p>D. 80%</p>

15	Cotton is _____ % cellulose	A. 90 B. 100 C. 99 D. 30
16	Esterification of CH ₃ COOH is reaction	A. Acid base B. Electrophilic C. Redox D. Nucleophilic
17	Casienogen is	A. Chromoprotein B. Phosphoprotein C. Glycoprotein D. Lipoprotein
18	Oxidation of secondary alcohol produces	A. Aldehyde B. Ketone C. Alkyl halide D. Ester
19	Transportation causes to produce CO ₂ in atmosphere:	A. 72% B. 73% C. 74% D. 75%
20	Which of these polymers is and addition polymer?	A. Nylon-6, 6 B. Polystyrene C. Terylene D. Epoxy resin