

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which one of the following is an appropriate indication of positive iodoform test?	A. Formation of H ₂ O B. Brick red precipitate C. Release of H ₂ gas D. Yellow precipitate
2	Which is the polymer that has amide linkage in its structure	A. PVC B. Poly ethene C. Polyester D. Nylon
3	Acetaldehyde cyanohydrin upon hydrolysis produces	A. Tartaric acid B. Malonic acid C. Formic acid D. Lactic acid
4	The Catalyst used in the contact tower for the manufacture of H ₂ SO ₄ is easily poisoned by:	A. Nitrous oxide B. Nitrogen gas C. Arsenic oxide D. Carbon dioxide
5	Keratomalacia is caused due to the deficiency of vitamin:	A. A B. B C. K D. D
6	Ketones are less reactive than aldehydes because:	A. alkyl groups electron donation B. steric hindrance is greater in ketone C. both a and b D. ketones are non-polar
7	UV rays inactivate enzymes because they	A. change sequence of amino acids of enzymes B. They add prosthetic group to them C. They increase their specificity D. affect structure of enzymes
8	The temperature in the incineration of industrial and hazardous waste process has a range	A. 950 to 1300°C B. 500 to 900°C C. 250 to 500°C D. 900 to 1000°C
9	The non-stick lining of pans is.	A. Difluoroethane B. Chlorofluoromethane C. Chloroethane D. Tetrafluoroethane
10	Which of the following is an addition polymer	A. Nylon-6, 6 B. Polystyrene C. Terylene D. Epoxy resin
11	The addition compound obtained by reacting acetaldehyde and HCN, when hydrolyzed gives	A. Ethyl alcohol B. Methyl cyanide C. 2-Hydroxy propanoic acid D. Ethyl cyanide
12	When light is exposed to a typical transition element, then electrons jump from low orbitals to higher orbitals in	A. f-orbitals B. s-orbitals C. p-orbitals D. d-orbitals
13	Which of the following is correct statement about cellulose	A. It is sweet in taste B. It contains 20% amylose C. It is used in laundering D. It contains 1-4-linkage

14	Requirement of macronutrient per acre of the land is	<p>font-family: Verdana, Tahoma; font-size: 12px;">5 to 200 kg</p> <p>B. 20-200 kg</p> <p>C. 200-400 kg</p> <p>D. 30-400 kg</p>
15	The reason of acid rain is:	<p>A. release of CO in excess by in complete combustion</p> <p>B. excess release of NO₂ and SO₂ from burning of fossil fuels</p> <p>C. Formation of NH₃ in excess form industry and coal gas</p> <p>D. Formation of excess CO₂ due to combustion and respiration</p>
16	Hard water can block radiators due to formation of	<p>A. Insoluble calcium and magnesium salts</p> <p>B. Insoluble sodium salts</p> <p>C. Insoluble phosphate salts</p> <p>D. Insoluble potassium salts</p>
17	Which factor is helping to reduce the environmental pollution:	<p>A. urbanization</p> <p>B. industrialization</p> <p>C. increases of plantation</p> <p>D. rapid growth of population</p>
18	Palmitic acid & stearic acid are obtained from process of fats & oils:	<p>A. Reducing</p> <p>B. Neutralization</p> <p>C. Oxidation</p> <p>D. Hydrolysis</p>
19	Which of the following is soluble in water?	<p>A. CH₃OH</p> <p>B. CCL₄</p> <p>C. CHCl₃</p> <p>D. CS₂</p>
20	Oxidation of secondary alcohol produces	<p>A. Aldehyde</p> <p>B. Ketone</p> <p>C. Alkyl halide</p> <p>D. Ester</p>