

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The motion imparted to the gas molecules by gravity is	A. very small B. very large C. negligible D. appreciable
2	Acidic character of amino acid is due to:	A. -NH ₂ B. -N ⁺ H ₂ C. -COOH D. -COO ⁻
3	Which one of the following is used as coagulant for purification potable water	A. Copper sulphate B. Alum C. Barium sulphate D. Nickel sulphate
4	The unit of peptides is	A. Moiety B. Residue C. Polypeptide D. Both A and B
5	Elements of group IV-A are	A. neither strongly electropositive nor strongly electronegative B. strongly electropositive C. strongly electronegative D. none of these
6	The dilute solution of _____ is called vinegar.	A. Formic acid B. Acetic acid C. Oxalic acid D. Benzoic acid
7	Carboxylic acids reacts with sodium carbonate, & gas evolved in this reaction	A. CO ₂ B. H ₂ C. CO D. Both a & b
8	Ice occupies more space than liquid water	A. 9% B. 10% C. 11% D. 12%
9	Which is property of CO?	A. Soluble in water B. Insoluble in water C. No toxic D. Pole coloured
10	Half-lives required to convert 100% reactant to product for a first order reaction are	A. 10 B. 1000 C. 100 D. Infinity
11	Which gases are produced from landfills?	A. NH ₃ B. H ₂ S C. N ₂ D. All of these
12	Albumins and globulins are defined as	A. Derived protein B. Conjugated protein C. Fibrous protein D. Simple Protein
13	The destruction of the biological nature and activity of proteins by heat or chemical agent is called:	A. Dehydration B. Oxidation C. Denaturation D. Polymerization
14	Which of the following factors does not affect the SN ₁ rate is	A. Nucleophilicity of the attacking nucleophile B. Stability of the carbonium ion C. Solvent system D. The nature of leaving group
15	Commonly used coagulants are ions of:	A. Ferrous B. Al C. Fe

		C. Cr D. Ferric
16	Which of the following is incorrect for glucose & sucrose	A. Both are water soluble B. Natural polymers C. Source of energy D. Carbohydrate in nature
17	Primary structure of proteins refers to	A. Coiling and folding in form of specific structure B. 3d structure C. Number of amino acids in a chain D. Alpha and Beta sheets
18	The word polymer is derived from words poly mean many and mer means unit.	A. Latin B. Greek C. English D. French
19	A transition element X has a configuration [Ar] 4s ³ 3d ⁵ in its +3 oxidation state. Its atomic number is	A. 25 B. 26 C. 22 D. 19
20	Consider gas is measure in bars then the units of rate of reaction is	A. Mole dm ⁻³ sec B. Bars sec C. Mole dm ⁻³ sec ⁻¹ D. Bars sec ⁻¹