

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Denaturation of protein means the structure of protein is disrupted. indicate which factor does not denature protein	A. heating protein B. pH changes C. oxidising agent D. keeping pH 7.35
2	Micronutrients are required in quantity ranging from:	A. 4----40g B. 6-----200kg C. 6-----200g D. 4-----40kg
3	Hess's law is analogous to	A. Law of heat summation B. law of increasing entropy C. Law of heat exchange D. 1st law of thermodynamics
4	In the reaction $A_2(g) + 4B_2(g) \rightleftharpoons 2AB_4(g)$ such that $\Delta H < 0$, the formation of $AB_4(g)$ will be favoured at	A. Low temperature and high pressure B. Low temperature and low pressure C. High temperature and low pressure D. High temperature and high pressure
5	The development of disagreeable odour in fats or oil is called	A. fragrance B. perfume C. rancidity D. smell
6	The common oxidation number of halogens is	A. -1 B. +1 C. -2 D. 0
7	The exothermic process is	A. Evaporation B. Sublimation C. Respiration D. Boiling
8	Which of the following belongs to alkaline earth metals	A. Cu B. Zn C. Sn D. Mg
9	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
10	The alternate name of Glucose is	A. Dextrose B. Grape sugar C. Blood sugar D. All
11	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
12	Half of the mass of atmosphere is concentrated above earth at the height of	A. 40 Km B. 25-28 Km C. 5-6 Km D. 100 Km
13	The angle between the unhybridized 2p _z orbital and the three sp ² hybrid orbitals in ethene is	A. 180° B. 120° C. 90° D. 60°
14	The range of UV-B is:	A. 320 to 400 nm B. 200 to 280 nm C. 280 to 320 nm D. 50 to 400 nm

15	The number of resonating structures of phenoxide ion are	A. 3 B. 5 C. 6 D. 4
16	Unit of ozone is?	A. Debye B. Dobson C. Esu D. Coulumb
17	Plastics are pollution problem because many plastics	A. Are made from petroleum B. Are very inflammable C. Burn to produce toxic fumes D. Decompose to produce toxic products
18	The no. of lp's on oxygen in CO are	A. 1 B. 3 C. 4 D. 2
19	Liquids evaporate at every temperature. When the temperature becomes constant for a liquid, then:	A. rate of evaporation is greater than the rate of condensation B. the rate of condensation is greater than the rate of evaporation C. The rate of condensation and evaporation become equal D. it depends upon the nature of the liquid
20	To become a carbohydrate a compound must contain	A. 2-carbon B. 3-carbon C. 4-carbon D. 5-carbon