

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Acetic acid is obtained from:	A. Red out B. Vinegar C. Butter D. Milk
2	The toxic organic compounds and heavy metals and metalloids results in contamination of	A. surface water B. ground water C. both surface and ground water D. neither surface nor ground waters
3	A basic buffer solution can be prepared by mixing	A. Strong acid and its salt with weak base B. Weak base and its salt with strong acid C. Strong base and its salt with weak acid D. Weak acid and its salt with strong base
4	How magnesium reacts with water?	A. In frozen ice water B. With cold water C. In with steam D. In hot state
5	Which one of the following organic acids is made from methanol	A. Propanoic acid B. Butanoic acid C. Formic acid D. Acetic acid
6	How many moles of sodium are present in 0.1 g of sodium?	A. $4.3 \times 10^{-1}$ B. $4.03 \times 10^{-1}$ C. $4.01 \times 10^{-2}$ D. $4.3 \times 10^{-2}$
7	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH-----A-----B Here B is	A. Propyne B. Propanal C. Propene D. Propane
8	The suspended particles in the raw water can be removed by the	A. Coagulation B. Aeration C. Hydration D. Dehydration
9	Liquid ammonia has become an important fertilizer for direct application to soil. It contains _____ nitrogen.	A. 46% B. 82% C. 14% D. 17%
10	One of the following can produce greater number of moles of ethyl chloride on reacting with excess of ethanol	A. PCl <sub>5</sub> B. PCl <sub>3</sub> C. HCl/ZnCl <sub>2</sub> D. SOCl <sub>2</sub>
11	Polysaccharides are also called	A. Crystals B. Sugars C. Liquids D. Non Sugars
12	Which is an intermediate in SN <sub>1</sub> reaction	A. Ethoxide ion B. Carbocation C. alkyl halide D. alkene
13	Global warming is mainly caused by _____ radiations	A. UV B. I.R C. gama D. X-rays
14	Which of the following is used as coagulant for purification potable water?	A. Copper sulphate B. Barium sulphate C. Alum D. Nickel sulphate

15	Daily protein intake for normal adults should be:	A. 0.2g/kg   B. 0.5g/kg C. 0.8g/kg   D. 1.1g/kg  
16	Saponification number of a fat which requires 178,000 mg of KOH for saponification is (mol wt = 1240)	A. 120 B. 143 C. 208 D. 210
17	Which one of following property is not true about alkali metals?	A. Strongest bases due to their hydrides B. Low ionization energy C. Oxidation number more than +1 D. Form acidic oxides
18	The protein component of enzyme is called	A. apoenzyme B. proenzyme C. holoenzyme D. co-enzyme
19	Protein of high biological value	A. Contains essential amino acids B. Is poor in essential amino acids C. Is of plant source D. Contains amino acid glycine e. Is a basic protein
20	Amount of fresh water used by agriculture is	A. 2% B. 23% C. 69% D. 97%