

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	For reaction of methane and chlorine light is not available then	A. Reaction will take place rapidly B. No Reaction take place C. Reaction occurs at double the rate D. May all cases occur
2	The red brown ppt. of Fehling solution and benedict solution tests are of	A. Ag B. Cu ₂ O C. CuO D. AgBr
3	The pressure exerted by gas molecules is due to their	A. collisions B. densities C. masses D. kinetic energy
4	Which of these the most widely used nitrogen fertilizer in Pakistan?	A. urea B. ammonium nitrate C. ammonium sulphate D. ammonium chloride
5	Amino acids react together to form the primary structure of proteins which is accompanied by	A. addition of water B. addition of ammonia C. removal of ammonia D. removal of water
6	On hydrolysis sucrose gives:	A. glucose and maltose B. fructose and lactose C. fructose and maltose D. glucose and Fructose
7	Surface and ground water sources are contaminated by various human activities. Which of the following is not a human activity that cause contamination of fresh water?	A. Rain B. Oil leaks-& spills C. Livestock waste D. Disposal of industrial effluents
8	Born-Haber cycle is an application of	A. Hess's law B. 1 st law of thermodynamics C. Avogadro's law D. 1 st law of thermochemistry
9	Which one of the following does not act as pollutant	A. Carbon monoxide B. Sulphur dioxide C. Hydrocarbons D. Carbon dioxide
10	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
11	Phenol can be diatingushed from ethyl alcohol by all of the following reagents except	A. Iodoform test B. Na C. Br ₂ /H ₂ O D. NaOH
12	Nitrogen in the atmosphere is:	A. 78% B. 21% C. 0.9% D. 0.03%
13	In proteins, the alpha-helix and Beta-pleated sheet are examples of	A. ^{Primary Structure} B. Secondary Structure C. Tertiary Structure D. Quaternary Structure
14	Primary structure of proteins refers to	A. Coiling and folding in form of specific structure B. Number of amino acids in a chain C. 3d structure D. Alpha and Beta sheets
15	The gas which is mainly produced in landfills from the waste is.	A. CH ₄ B. CO ₂ C. SO ₂ D. O ₂

D. CI2

16	The branch of chemistry interlinked with biology, physics, medicines, agriculture, public health and sanitary engineering etc. is:	A. Biochemistry B. Physical chemistry C. Pharmaceutical chemistry D. Environmental chemistry
17	The elements of group I-A react violently with water and make the solution	A. neutral B. amphoteric C. acidic D. alkaline
18	Which of the following is most found in protein molecule	A. Carbon B. Hydrogen C. Oxygen D. Nitrogen
19	The reason of acid rains is	A. Release of CO in excess by in complete combustion B. Excess release of NO_2 and SO_2 from burning of fossil fuels C. Formation of excess CO_2 due to combustion and respiration D. Formation of NH_3 in excess from industry and coal gas
20	Which of the following wast material is not recycled for use again?	A. glasses B. paper C. plastic toys D. hides of animals