

MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Vegetable oil are	A. unsaturated fatty acids B. glycerides of unsaturated fatty acids C. glycerides of saturated fatty acids D. essential oil obtained from plants
2	When a nitrogeneous base combine with a sugar it is called	A. Ribose B. Nucleotides C. Nucleoside D. None
3	Sponification 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
4	The reaction between fat and NaOH is called	A. Esterification B. Hydrogenolysis C. Fermentation D. Sponification
5	Electronic configuration of Gold [Au79] is	A. [Xe] 4f ¹⁴ , 5d ¹⁰ , 6s ¹ B. [Xe] 4f ¹⁰ , 5d ¹⁰ , 6s ² C. [Xe] 4f ¹⁴ , 5d ⁹ , 6s ² D. [Xe] 4f ¹⁴ , 5d ¹⁰ , 6s ²
6	One of the environment problem is the formation of oil slicks when oil is spilled from tankers in sea water. Which treatment is suitable to remove oil slicks	A. blow air B. add Na ₂ CO ₃ C. use a specially made sorbent having fluorine trapped in it D. Use a sorbent having Al ₂ O ₃ trapped in it
7	The main source of natural fibre is	A. animal fibres B. vegetables fibres C. mineral fibres D. all of the above
8	In a given system, water and ice are in equilibrium, if the pressure is applied to the above system then	A. More ice is formed B. Amount of ice and water will remain the same C. more ice is melted D. both A and B
9	Which woody raw material is used of the manufacture of paper pulp?	A. cotton B. bagasse C. poplar D. rice straw
10	The volume of a real gas	A. is constant B. increases with T decrease C. becomes zero at absolute zero D. never becomes zero
11	When calcium formate and calcium acetate are dry heated they form	A. HCOOH B. C ₂ H ₅ OH C. CH ₃ CHO D. HCHO
12	Which one of the following is not air pollutant gas	A. CO B. CO ₂ C. NO D. SO ₂
13	Tertiary alcohols are the easiest to dehydrate because	A. They form stable carbocation B. They have less hydrogen C. They have bigger size D. They are polar

14	Which oxide when mixed with water, will produce the most acidic solution?	B. CO_2 C. SiO_2 D. P_2O_5
15	Which of the following substance is used as filler or additive in paper making:	A. Glucose B. Starch C. Fructose D. Cellulose
16	Which gas is not a constituent of atmosphere?	A. Xe B. O_3 C. H_2 D. F_2
17	At which oxidation state Cu achieves electronic configuration of Zn^{2+}	A. 0 B. +2 C. +1 D. +3
18	Which of the following decides the reactivity of alkyl halides?	A. C-C bond strength B. C-H bond strength C. C-X bond strength D. Electronegativity difference
19	The temperature in the incineration of industrial and hazardous waste process had a range	A. 950 to 1300°C B. 500 to 900°C C. 250 to 500°C D. 900 to 1000°C
20	The species which are produced by heterolytic bond breaking and can act as electron pair donor	A. Free radicals B. Cations C. Nucleophiles D. electrophile