

MDCAT Chemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | 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 |
| 2 | Cotton has cellulose in it: | A. 96% B. 97% C. 98% D. 99% |
| 3 | Which one of the following is not a component of environment: | A. biosphere B. stratosphere C. hydrosphere D. lithosphere |
| 4 | Coenzymes are the species which increase the activity of enzymes. They are chemically: | A. metal ions B. none - metals C. organic acids D. organic bases |
| 5 | During the manufacturing process of cement the temperature of the decomposition zone goes up to | A. 600°C B. 800°C C. 1000°C D. 1200°C |
| 6 | When equal proportion of DH_3 I and C_2H_5 ___ I are treated with Na metal in presence of dry ether, the number of possible hydrocarbons obtained will be: | A. 5 B. 4 C. 3 D. 2 |
| 7 | The exothermic process is | A. Evaporation B. Sublimation C. Respiration D. Boiling |
| 8 | Molar mass of high molecular w.f. polymers ranges from: | A. 1000 to 10000 B. 10000 to 100000 C. 100000 to 1000000 D. 1000 to 1000000 |
| 9 | If an endothermic reaction is allowed to take place very rapidly in air, the temperature of the surrounding air will | A. Remains constant B. Increase C. Decrease D. Either increase or decrease E. One Joule is equivalent to |
| 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 | Contaminated soil can be cleaned by various methods. Which method is not used to clean the soil | A. diffusion B. convection C. electrophoresis D. chromatography |
| 12 | In big/metropolitan cities, atmosphere is mostly polluted due to | A. Radioactive fall out B. Household waste C. Pesticide residue D. Automobile exhausts |
| 13 | Proxy acetyl nitrate (PAN) is an irritant to human beings and it affects: | A. nose B. stomach C. eyes D. ears |
| | | A. Ethyl iodide |

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| 14 | To prepare ethane by Wurtz synthesis the suitable alkyl halide is | B. any alkyl iodide C. Ethyl chloride D. Methyl bromide |
| 15 | Under which condition CO has the maximum molar volume. | A. high T and P B. Low T and High p C. high T and low pressure D. Low T and low P |
| 16 | Which compound gives carbon when heated with conc. H ₂ SO ₄ . | A. Starch B. Ethyl alcohol C. Oxalic acid D. Formic acid |
| 17 | Which of the following brings about the conversion of starch into maltose? | A. maltase B. zymase C. diastase D. invertase |
| 18 | Alcohol in which carbon atom bonded to OH group is further attached with three alkyl groups is . | A. Aromatic alcohol B. Tertiary alcohol C. Primary Alcohol D. Secondary Alcohol |
| 19 | Poisoning of CO can be reversed by giving oxygen at pressure: | A. low B. least C. medium D. High |
| 20 | Which is unnecessary for purification of water for drink purposes: | A. coagulation B. aeration C. treatment with iodine D. treatment with chlorine |