

STD: XI


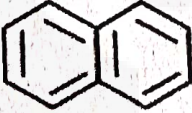


ONE MARK TEST - 7

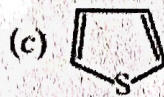
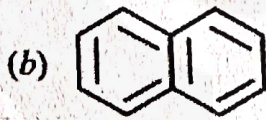
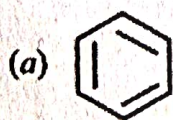
Lesson: 13

Marks: 30 / Time: 45 Min.

CHEMISTRY

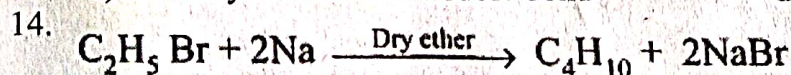
Choose the correct answer.

- 2-butene on chlorination gives
 - 1-chloro butane
 - 1, 1, 2, 2-tetra chloro butane
 - 1, 2-dichloro butane
 - 2, 2, 3, 3-tetra chloro butane
- The compounds formed at anode in the electrolysis of an aqueous solution of potassium acetate are
 - CH₄ and H₂
 - CH₄ and CO₂
 - C₂H₆ and CO₂
 - C₂H₆ and Cl₂
- Pyrolysis of Methane and respectively are
 - Exothermic & Endothermic
 - Endothermic & Exothermic
 - Both are endothermic
 - Both are exothermic
- The correct statement regarding the comparison of staggered and eclipsed conformations of ethane, is
 - the eclipsed conformation of ethane is more stable than staggered conformation even though the eclipsed conformation has torsional strain
 - the staggered conformation of ethane is more stable than eclipsed conformation, because staggered conformation has no torsional strain
 - the staggered conformation of ethane is less stable than eclipsed conformation, because staggered conformation has torsional strain
 - the staggered conformation of ethane is less stable than eclipsed conformation, because staggered conformation has no torsional strain
- Benzene is _____ molecule.
 - Tetrahedral
 - Planar
 - Trigonal
 - Square planar
- Which among the following alkenes on reductive ozonolysis produces only propanone?
 - 2-Methyl propene
 - 2-Methyl but-2-ene
 - 2,3-Dimethyl but-1-ene
 - 2,3-Dimethyl but-2-ene
- Which is non-benzenoid aromatic compound?
 - Benzene
 - Azulene
 - Toluene
 - Phenol
- The C-H bond and C-C bond in ethane are formed by which of the following types of overlap
 - sp³-s and sp³-sp³
 - sp²-s and sp²-sp²
 - sp-sp and sp-sp
 - p-s and p-p
- Acetylene can be obtained by the electrolysis of the following compound
 - Potassium fumerate
 - Potassium succinate
 - Potassium acetate
 - Potassium formate
- Benzene is purified by
 - distillation
 - fractional distillation
 - Evaporation
 - sublimation
- Which of the following is optically active
 - 2-Methyl pentane
 - Citric acid
 - Glycerol
 - none of these
- Which one of the following is non-aromatic?
 - 
 - 
 - 
 - 



13. The peroxide effect involves

- Ionic mechanism
- Free-radical mechanism
- Heterolytic fission of double bond
- Homolytic fission of double bond



The above reaction is an example of which of the following

- Reimer Tieman reaction
- Wurtz reaction
- Aldol condensation
- Hoffmann reaction

15. Pyridine is said to be

- Acyclic
- Aliphatic
- alicyclic
- heterocyclic

16. Baeyer's reagent is

- Aqueous bromine solution
- Neutral permanganate solution
- Acidified permanganate solution
- Alkaline potassium permanganate solution

