

Class:T.Y.B.Sc.(Chemistry)

Subject : Organic Chemistry

SEM:6

Subject Code:USCH503

Q.1 A carbon atom to which enantiotopic ligands are attached is called

- a) Chiral centre **b) Prochiral centre** c) Chiral carbon d) Asymmetric carbon

Q.2 Treatment of pyruvic acid with H_2 in the presence of lactic acids hydrogenase is a

- a) Enantioselective reaction** b) Diastereoselective reaction
c) Enantiospecific reaction d) Diastereospecific reaction

Q.3 The base induced dehydrohalogenation of 1-Bromo-1,2-diphenyl propane follows.....

- a) E1 Mechanism **b) E2 Mechanism** c) E_i Mechanism d) S_N1 Mechanism

Q.4 When optically active alcohol is treated with thionyl chloride ,the hydroxide group is replaced by chlorine atom .This reaction follows.....

- a) S_N1 Mechanism b) S_N2 Mechanism **c) S_Ni Mechanism** d) E1 Mechanism

Q. 5 When two ligands of a molecule are replaced by Z one at a time, give a pair of enantiomers ,these ligands are called

- a) Homotopic ligands b) Diastereotopic ligands **c) Enantiotopic ligands.** d) Heterotopic ligands

Q.6 Reaction of carbonyl compounds with phosphorus ylide to produce an alkene is known as

- a) Michael addition **b) Wittig reaction** c) Beckmann rearrangement d) S_N1 reaction

Q.7 The base catalysed rearrangement of α -haloketones to carboxylic acid derivatives is known as.....

- a) Favorski rearrangement** b) Pinacol-pinacolone rearrangement
c) Beckmann rearrangement d) Elimination reaction

Q.19 Which of the following contains biodegradable polymer only?

a)Cellulose , dextrin, PHBV

b)Starch, PHBV, PVC

c)Bakelite, Nylon-6, Nylon-66

d)Cellulose, Starch, terylen

Q.20 Thermosetting polymer is

a)Nylon 6

b)Nylon 6,6

c)Bakelite

d) SBR