

PROGRAMME NAME: M.Sc. (CHEMISTRY)
YEAR: I
SEMESTER-I
COURSE NAME: ORGANIC CHEMISTRY-I

Note:-attempt all questions.

1. What is carbocations? Write the structure, stability and reactivity of carbocations.
2. What is SN2 reactions and write the mechanism of SN2 reaction?
3. Write the following mechanism and reaction also:-
 - (i) Di-caupling reaction
 - (ii) Vilsmeier reaction
 - (iii) Friedel-Crafts reaction
4. What is hydro generation? Write the of doable and triple bands.
5. Write the mechanism and stereochemical aspects of the addition reaction involving Electrophils and free radicals.
6. What is E₁ and E₂ reaction? Write the mechanism of E₁ and E₂.
7. Describe the pyrolytic elimination reactions.
8. What is symmetry elements? Describe the enantiotropic and distereiotropic groups?
9. Describe the cyclohexane derivatives ? And its stability and reactivity.
10. Explain reaction mechanism of Beckman reaction.