



"बेटी बचाओ, बेटी पढ़ाओ"

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR
Faculty of Education & Methodology

Teacher Name & Designation : **JV'n Dr. Mangat Singh**, Assistant Professor
Program Name : **M.Sc_Chemistry**
Semester : **III**
Course/Subject Name : **Organic Chemistry**

By the end of the course, the students will be able to:

Sr. No.	Course Outcome
1	Learn the basic mechanism of oxidation in organic molecules having different functional groups; alkenes, alcohols, aldehydes, ketones, amines, ketals, and carboxylic acids.
2	Learn the reduction mechanism of organic compounds bearing functional groups; alcohols, aldehydes, ketones, amines, ketals, and carboxylic acids.
3	Functionality and stereochemistry of various oxidizing and reducing reagents.
4	Explain the surface phenomenon; type of adsorption; physical and chemical adsorptions, Kelvin equation, adsorption theory; BET, and Gibbs Isotherms, Critical micellar concentration (CMC) and their applications in daily life situations.
5	Understand the mechanism and applications of rearrangement reactions; Wagner-Meerwein, Favorskii, Neber, Beckmann, Hoffmann, Curtius, Lossen, and Baeyer-Villiger, Witting, Fritsch- Buttenberg-Wiechell, Stevens rearrangement.