



“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 : **Natural Product and Heterocyclic Chemistry**

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

Sr. No.	Course Outcome
<b>1</b>	Know about naturally occurring compounds; terpenes, terpenoids, and carotenoids and their application in day-to-day activities, general methods of structure determination, and their stereochemistry.
<b>2</b>	Get familiar with the structure and synthesis of hemoglobin and chlorophyll.
<b>3</b>	Have an understanding of the occurrence, nomenclature, basic skeleton, stereochemistry, and isolation methods of steroids.
<b>4</b>	Understand the fundamental principles of heterocyclic chemistry, their importance in daily life, laboratory methods for heterocyclic ring synthesis, and their stereochemical aspects.
<b>5</b>	Get familiar with structures, different systems of nomenclature, preparation methods, reactions, and properties of the major classes of heterocyclic compounds heterocycles.