INVERTIS
UNIVERSITY BAREILLY

Course Outcomes (COs)

Program Name:	B.Sc (H) Maths	AY	2022-23
Course Name:	Algebra-II	Class / Sem	VI
Faculty Name:	Mr. Makrand Dhyani		

Course Outcomes

After completing this course, the student will be able to:

CO Number	CO Statement	Taxonomy
CO1	Understand the basic concepts of group actions and their applications.	Understand
CO2	Recognize and use the Sylow theorems to characterize certain finite groups.	Understand
CO3	Know the fundamental concepts in ring theory such as the concepts of ideals, quotient rings, integral domains, and fields.	Remember
CO4	Learn in detail about polynomial rings, fundamental properties of finite field extensions, and classification of finite fields.	Understand
CO5	Understand The fundamental concept of Rings, Fields, subrings, integral domains and the corresponding homomorphisms.	Understand
CO6	Understand the concept of linear independence of vectors over a field, the idea of a finite dimensional vector space, basis of a vector space and the dimension of a vector s	Understand
CO7	Basic concepts of linear transformations, the Rank-Nullity Theorem, matrix of a linear transformation, algebra of transformations and the change of basis.	Understand

Taxonomy: Remember, Understand, Apply, Analyse, Evaluate, Create

(Mr. Makrand Dhyani)

Faculty Signature and Name

Head
Department of Applied Science
Invertis University, Bareilly (U.P.)

Dean
Faculty of Science
Invertis University, Bareilly (U.P.)

Registrar
Invertis University
Bareilly