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

Department Name	:	**Science & Technology**
Program Name	:	**B. Sc(H) Maths**
Semester	:	**Ist**
Course/Subject Name	:	**Algebra**
Teacher Name & Designation	:	**Rishi Chaudhary, Assistant Professor**

Sr. No.	Course Outcome
1	Solve linear equations and inequalities involving one or more variables.
2	Analyze and graph polynomial and rational functions, identifying key features such as roots, intercepts, and asymptotes.
3	Understand the concept of a system of linear equations and its geometric interpretation.
4	Solve systems of linear equations using methods such as substitution, elimination, and matrices.
5	Perform basic matrix operations, including addition, subtraction, scalar multiplication, and matrix multiplication. Determine the transpose, inverse, and determinant of a square matrix.
6	Apply matrices to represent and solve systems of linear equations,
7	Apply algebraic and matrix concepts to solve mathematical and real-world problems.
8	Develop critical thinking and problem-solving skills that can be utilized in various academic and professional contexts.