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

Department Name	:	**Science & Technology**
Program	:	**B. Sc. B. Ed.**
Semester	:	**Ist**
Course/Subject Name	:	**Real Analysis**
Teacher Name & Designation	:	**Rishi Chaudhary, Assistant Professor**

Sr. No.	Course Outcome
1	Develop a thorough understanding of the real number system, including completeness, order properties, and the Archimedean property.
2	Explore concepts related to open and closed sets in the context of real numbers.
3	Study the convergence and divergence of sequences, including the definitions of limit superior and limit inferior.
4	Understand the convergence criteria for sequences, such as the Bolzano-Weierstrass theorem and Cauchy sequences.
5	Investigate the convergence of infinite series and apply convergence tests, including the ratio test, root test, and alternating series test.
6	Explore power series and Taylor series representations.
7	Define continuity and differentiability for real-valued functions.