Curriculum Plan: B.Sc. (Hons) Mathematics (Semester I)- Fundamentals of Calculus
2024-25 Odd Sem

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Marks Distribution	Theory - 90
	Internal Assessment- 30 **Tutorial - 40**
Classes Assigned	**Lectures: 1 per week**

Week	Topics
1st week	Concavity
2nd week	Concavity
3rd week	inflexion points
4th week	Asymptotes parallel to axes
5th week	Practice of Asymptotes parallel to axes
6th week	Asymptotes parallel to oblique
7th week	Practice of Asymptotes parallel to oblique
8th week	Relative extrema
9th week	Practice of Relative extrema
10th week	Tracing graphs of polynomial functions
11th week	Practice of Tracing graphs of polynomial functions
12th week	Tracing graphs of rational functions
13th week	Practice of Tracing graphs of rational functions
14th week	Tracing graphs of polar equations
15th week	Practice of Tracing graphs of polar equations