

MTH 301 METRIC SPACE TOPOLOGY: (3 Units) (L30: P 0: T 15)

Sets, matrices, and examples. Open spheres (or balls). Open sets and neighbourhoods. Closed sets. Interior, exterior, frontier, limit points and closure of a set. Dense subsets and separable space. Convergence in metric space homeomorphisms. Continuity and compactness, connectedness.

Pre-requisite - MTH 202.