MT-608 Metric and Topology

Metric and metric spaces, Continuity and open sets for metric spaces, Closed sets for metric spaces, Topological spaces, Order topologies Interior and closure, Metric topologies, Quotient spaces, Quotient topology, topological structures, Hausdorff spaces, Compactness, Products of compact spaces, Compactness in metric spaces Connectedness, The language of neighborhoods.

Reference Books:

1. Introduction to Topology by Alex Kuronya, 2010
2. Metric & Topological spaces by T.W. Koroner, 2015