

MSLIS Semester 4
MIDTERM TEST
Paper: Geographical Information Science
27 February 2026
(10.00 AM - 11.30 AM)

- Q1.** Provide your understanding of the spatial and temporal scales within the context of geographic Information Science. **[08 Marks]**
- Q2.** Digital Elevation Model (DEM) is an important source of data for researchers. DEM contains information to eyes. Such information includes valley connectivity network (VCN) and elevation contours. Explain an approach to extract VCN from DEM. **[16 Marks]**
- Q3.** Explain quantitative approaches where valley connectivity network and elevation contour data are the main inputs. **[16 Marks]**