MSLIS Semester 4
MIDTERM TEST
Paper 21: Geographical Information Systems
01 March 2018
(11.30AM - 1.30PM)

Q1. Write a brief note on the following: [20 marks]
    (a) Geographic Maps Vs. mathematical Maps
    (c) Self-Similarity and Fractals
    (d) Scaling in Spatial Data Sciences
    (f) Morphometry of networks, and explain two topological quantities that have relationships with
      scaling exponents.

Q2. Give a glimpse of clustering in spatial optimization.   [6 marks]

Q3. Explain (a) Hierarchical clustering with examples and by constructing dendograms, and (b) clustering based on Minimum Spanning Tree (MST) with illustrations on a data set generated of your choice. [20 marks]