

**C1073**

Total Pages : 3

Roll No. ....

**GIS-508/DGIS-508**

**Application of Geo informatics Part-I**

(MSCGIS/DGIS)

Second Semester Examination, 2022 (June)

**Time : 2 Hours]**

**Max. Marks : 80**

**Note :** This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

**SECTION–A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Discuss the various spectral reflectance of soil properties.
2. How aerial photographs are used to produce the soil map?

3. Compare between water soil erosion and wind soil erosion.
4. Write the application of hydrogeomorphology.
5. Discuss the role of GPS in ensuring public safety against disasters.

**SECTION-B**  
**(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. Write the short note on method of soil formation.
2. Briefly explain the interpretation method of the soil survey.
3. List the landscape which is evolving due to water soil erosion.
4. How is Geosciences related to Geomorphology?
5. Write the geological characteristics of the Radial Drainage pattern.

6. What are the sources of surface water?
  7. What are the major components of environment?
  8. Name different application of GPS in agriculture.
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