

**K-963**

Total Page No. : 3]

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**MGIS-602**

**MAGIS/MSCGIS IIIrd Semester  
Examination Dec., 2023**

**APPLICATION OF GEO INFORMATICS**

**Time : 2 Hours]**

**[Max. Marks : 70**

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*Note :- This paper is of Seventy (70) marks divided into two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given there in. **Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

**Section-A**

**(Long Answer Type Questions) 2×19=38**

*Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.*

**K-963**

( 1 )

P.T.O.

1. What are the uses of GIS in soil science ? Explain.
2. What are the uses of GIS in Geomorphology ? Explain.
3. Describe the different applications of remote sensing in soil management and evaluate their potential benefits in addressing problem soils ?
4. What are the applications of GIS in soil quality ?
5. Compare between water soil erosion and wind soil erosion.

### **Section–B**

**(Short Answer Type Questions)**      4×8=32

**Note** :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. How are ravines formed ?
2. List the landscape which is evolving due to water soil erosion ?
3. How can you make an elevation map ?
4. How is Geosciences related to Geomorphology ?
5. Write the fields of Geoscience.

6. What are the methods to assess coastal geomorphology ?
7. What is the application of hydro geomorphology ?
8. What are the critical components of watershed management ?

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