

**K-958**

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**GIS-603**

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

**APPLICATION OF GEO  
INFORMATICS-IV**

**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.*

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( 1 )

P.T.O.

1. How can geoinformatics be applied in urban planning to optimize city infrastructure ?
2. In what ways does geoinformatics contribute to environmental monitoring and management ?
3. How is geoinformatics utilized in disaster management and response ?
4. What role does geoinformatics play in agriculture, and how does it improve crop management ?
5. Can you provide examples of geoinformatics applications in natural resource exploration and management ?

### **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. In what ways is geoinformatics applied in public health studies ?
2. What role does geoinformatics play in wildlife habitat mapping ?

3. How is geoinformatics utilized in geological hazard assessments ?
4. Can you explain the application of geoinformatics in watershed analysis ?
5. How does geoinformatics support land cover mapping ?
6. What are the applications of geoinformatics in disaster risk reduction ?
7. How is geoinformatics employed in cultural heritage preservation ?
8. Can you elaborate on the use of geoinformatics in forest management ?

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