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[Roll No.]

GIS-508/DGIS-508

MAGIS/MSCGIS/DGIS/CGIS

IInd Semester Examination Dec., 2023

**APPLICATION OF GEO
INFORMATICS-I**

Time : 2 Hours]

[Max. Marks : 70

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 is artificial intelligence integrated into advanced geoinformatics applications ?
2. How can we use Remote sensing & GIS technology in Geomorphology ?
3. How can we use Remote Sensing & GIS technology in environment ?
4. Can you elaborate on the use of LiDAR technology in high-resolution terrain mapping and 3D modeling ?
5. What advancements have been made in geoinformatics for real-time monitoring of natural disasters ?

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. What are the advancements in satellite remote sensing technologies ?
2. How is geoinformatics utilized in the Agriculture ?
3. What role does geoinformatics play in the development of smart cities ?

4. How are advanced geoinformatics techniques applied in resource management ?
5. How is geoinformatics contribute in handling large-scale datasets ?
6. What role does geoinformatics play in spatial data interpolation and prediction ?
7. Discuss geoinformatics in geospatial data fusion for improved analysis.
8. How are advanced geoinformatics tools used in biodiversity conservation ?
