

A-637

Total Pages : 3

Roll No.

GIS-508/DGIS-508

APPLICATION OF GEO INFORMATICS

PART-I (For M.Sc. Student)

(MAGIS/MSCGIS/DGIS/CGIS)

2nd Semester Examination, 2024 (June)

Time : 2:00 Hrs.

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 therein. *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. Application of Remote Sensing & GIS in hydromorphology. Explain it in detail.
2. Explain the fundamentals concept of soils & spectral characteristics of soils.
3. What are the advancements in satellite remote sensing technologies and their impact on geoinformatics ?
4. How is geoinformatics utilized in the emerging field of public safety ?
5. Explore the role of geoinformatics in mapping.

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 role does geoinformatics play in the development of smart cities ?
2. How are advanced geoinformatics techniques applied for optimized resource management ?
3. Discuss the use of LiDAR technology in high-resolution terrain mapping and 3D modeling.
4. What advancements have been made in geoinformatics for real-time monitoring of natural disasters ?

5. How is geoinformatics contributing to the analysis of agriculture ?
6. What role does geoinformatics play in the disaster relief ?
7. How are advanced geoinformatics tools used in the field of ecological modeling ?
8. Application of GPS in road navigation.
