

Tutor Marked Assignment

MGY-001: Introduction to Geoinformatics

Course Code: MGY-001

Assignment Code: MGY-001/TMA/2025

Max. Marks: 100

Note: * This assignment is based on the entire course.
* It is compulsory to answer all the questions.
* The marks for each question are indicated against it within brackets on the right hand side.
* Please write all answers in your own words; do not copy from the self learning materials.
* Write your answers in about 200 and 500 words for short notes and long answers, respectively.

1. Give an account of the recent trends and advancements in the field of remote sensing, GIS and photogrammetry. (15)
2. What is the difference between land use and land cover? Discuss Land Use and Land Cover classification systems with emphasis on Indian context. (15)
3. What is a map? Explain its different elements with suitable examples and diagrams. (10)
4. Describe the application potential of geoinformatics in environmental studies. (10)
5. Write short notes on the following:
 - a) Geoinformatics as a multidisciplinary subject (5)
 - b) Criteria for selecting a suitable map projection (5)
 - c) Digital Elevation Model and its sources (5)
 - d) Role of geoinformatics in monitoring, prevention and management of oil spills (5)
 - e) Contour representation for different types of landforms (5)
 - f) Concept of Datum (5)
 - g) Application of geoinformatics in social science studies (5)
 - h) BIP data format (5)
 - i) National agencies dealing with geospatial data (5)
 - j) Role of geoinformatics in atmospheric studies (5)
