

Tutor Marked Assignment

MGY-001: Introduction to Geoinformatics

Course Code: MGY-001
Assignment Code: MGY-001/TMA/2023
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.
 - * For question numbers 1 to 4, write your detailed answer in ~500 words.
 - * For question numbers 5, write your answer in ~200 words.
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1. Describe different types of topographical maps of different scales prepared by SOI for India. (15)
2. Discuss the role of national agencies in the development of geoinformatics technologies. (15)
3. How can geoinformatics be used for earth resources management? Support your answers with Indian examples. (15)
4. What is geospatial data? Discuss different types of geospatial data. (15)
5. Write short notes on the following:
 - a) Types of map projection (5)
 - b) Trends in GIS (5)
 - c) Universal Transverse Mercator (5)
 - d) Indian Space Research Organisation (5)
 - e) Free and open source software (FOSS) (5)
 - f) Sources of digital elevation models (5)
 - g) Career options in geoinformatics (5)
 - h) Role of geoinformatics in e-governance (5)
