Tutor Marked Assignment

MGY-101: Introduction to Geoinformatics

Course Code: MGY-101

AssignmentCode:MGY-101/TMA/2024

Max.Marks:100

Note: Attempt all questions. The marks for each question are indicated against it. Write all answers in your own words; do not copy from the Self Learning Materials (SLMs). Write your answers in about 200 and 400 words for short notes and long answers, respectively.

Part A

1. Write short notes on the following:
    a) Recent trends and development in GIS   (5)
    b) Employment prospects in Geoinformatics   (5)

2. Give an account of various components of Geoinformatics.   (10)

3. Discuss the policy initiatives of Indian Government regarding geospatial data.   (10)

Part B

4. Write short notes on the following:
    a) Sources of satellite remote sensing images   (5)
    b) Geospatial-Internet of Things(IOT)   (5)
    c) Geospatial programming   (5)

5. Give an account of sources of vector data.   (10)

6. Discuss various FOSS geospatial tools.   (10)

Part C

7. Write short notes on the following:
    a) Map projection parameters   (5)
    b) Applications of Geoinformatics in forest related studies   (5)
    c) Contour representation for different types of landforms   (5)

8. How can Geoinformatics be used for rural and urban planning? Discuss and support your answers with Indian examples.   10. (10)

9. Discuss the growth and challenges of Geoinformatics in India. (10)

*****