

2026

Geography (Core)

Paper Code : GG-CE-6334

Paper Name : Remote Sensing, GIS & GPS

Time : 2 hours

Full Marks : 50

The figures in the margin indicate full marks for the questions

1. Answer the following questions : 1×4=4
 - a) What is Remote sensing ?
 - b) Write the full form of GIS.
 - c) What is Aerial remote sensing ?
 - d) What is Geo-reference ?
2. Answer the following questions : 2×3=6
 - a) Write the prime components of GIS.
 - b) What do you mean by Spectral Resolution ?
 - c) What is the False Color Composite (FCC) ?
3. Write short notes on **any two** of the followings : 5×2=10
 - a) Spatial and Non-Spatial Data.
 - b) Raster and Vector Data.
 - c) Supervised and unsupervised.
 - d) Satellite Image and Aerial Photograph.
4. Answer **any three** of the following questions : 10×3=30
 - a) Discuss the importance of Remote sensing techniques in geographical study with appropriate example. 10

Contd.

- b) Write the technique of representation of physical features using point, line and polygon in GIS software with example. 10
- c) What are the basic differences of topographical maps and satellite imageries and their uses in geographical enquiry ?
4+3+3=10
- d) What do you mean by photogrammetry ? Explain the use and application in geographical analysis. 4+6=10
- e) Write the principles and techniques of GPS in geography. Explain the use and application of GPS map in geography with example. 5+5=10
- f) "Application of GIS is essential to detect the changing trend of land use and land cover pattern." Justify the statement with appropriate example. 10

