

CCGIS Semester - 1 Examination

December-2024

GIS analysis (LEVEL 1)

Time: 2:30 Hours

Marks: 70

Instructions:

1. Figures to the right indicate marks.

Section A Short Answer Questions (3 Marks Each) [15]

1. Define GPS
2. Define DEM
3. Explain LULC
4. Explain types of vector data.
5. Describe correlation.

Section B Medium Answer Questions (5 Marks Each) [25]

6. (a) Describe various data sources vector data of GIS

OR

- (b) What are trends and future aspects of GIS
7. (a) Discuss the advantages and disadvantages of raster and vector data structures.

OR

- (b) Explain Georeferencing
8. (a) Describe the significance of active sensors in remote sensing process.

OR

- (b) What is modelling in GIS, name different types of models used for habitat assessment
9. (a) What are contour lines, and how are they used in GIS analysis?

OR

- (b) Discuss the various components of the map in cartography.
10. (a) Describe summary statistics of data.

OR

- (b) Explain referencing and different styles used in scientific writing

Section C Long Answer Questions (10 Marks Each, Attempt Any 3) [30]

11. Discuss the sources of geographic data and their applications in GIS
12. Discuss in detail any two parametric tests used for statistical analysis
13. Explain the advantages and disadvantages of raster and vector data
14. Write in detail various steps used in LULC classification
15. What spatial modelling and their use in GIS
