

**24P220**

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Name : .....

Reg. No : .....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P ESC2 C10 - REMOTE SENSING AND GIS**

(Environmental Science)

(2019 Admission onwards)

Time: 3 Hours

Maximum: 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain how the distance measured from a map.
2. Explain Electronic Distance Measurement (EDM).
3. Explain the scope of Remote sensing in the present environmental scenario.
4. Discuss the uses of photogrammetry.
5. Explain the advantage of Remote sensing in Defense.
6. Define Geographic Information System.
7. Define Relational Attribute Model.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Explain different types of features represented in a map.
9. Define Photogrammetry and how does it work.
10. Define sun synchronous satellites.
11. Explain the principle of Remote sensing with regard to Electro magnetic spectrum.
12. Define raster data model.
13. Describe the methods of improving accuracy in GPS.
14. Discuss the application of GIS in Groundwater exploration.

**(4 × 3 = 12 Weightage)**

**Part-C**

Answer any *two* questions. Each question carries 5 weightage.

15. Define Remote sensing. Explain the principle and steps involved in Remote sensing.

16. Discuss different data products used in Remote sensing.
17. Explain GIS Mapping and its methods.
18. Discuss the methods used in GIS Analysis.

**(2 × 5 = 10 Weightage)**

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