22P220   (Pages: 2)   Name: ....

                                                           Reg.No: ....

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SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023
(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC2 C10 - REMOTE SENSING AND GIS
(Environmental Science)

(2019 Admission onwards)

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Time : 3 Hours   Maximum : 30 Weightage

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Part-A

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

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1. Describe how to represent a map.

2. Explain photogrammetry.

3. Explain Geosynchronous satellites.

4. Define average radiance.

5. Describe the steps in image processing.

6. Define data base models.

7. Define subset.

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(4 × 2 = 8 Weightage)

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Part-B

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

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8. Explain different methods of map conversions.

9. Discuss any one of the classification of surveying.

10. Explain LiDAR.

11. Discuss the application of Remote sensing in Hydrogeology.

12. Define spatial data.

13. Explain Geo referencing.

14. Discuss the application of GIS in Groundwater exploration.

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(4 × 3 = 12 Weightage)

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Part-C

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

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15. Discuss the History and Scope of Remote Sensing.

16. Explain diferent types of sensors and scanners used in Remote Sensing.

17. Explain the applications of GPS.

18. Define the theory of GIS.

(2 × 5 = 10 Weightage)

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