

20P221

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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021

(CUCSS - PG)

(Regular/Supplementary/Improvement)

CC19P ESC2 C10 - REMOTE SENSING AND GIS

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

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

1. Discuss the salient features of IRS – 1C.
2. What do you mean by geo synchronous satellite?
3. State ‘particle theory’.
4. Define map projection.
5. State any two disadvantages of visual interpretation techniques.
6. Differentiate radiance and irradiance.
7. Comment on the types of image interpretation.

(4 × 2 = 8 Weightage)

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

8. Explain polar satellites and its usages.
9. Write about uses of logical operators in spatial analysis.
10. Explain different types of aerial photographs.
11. Write short notes on atmospheric scattering.
12. Distinguish between spatial and non spatial data.
13. Explain the importance of overlaying index methods in GIS.
14. What is image rectification? Discuss.

(4 × 3 = 12 Weightage)

III. Write an essay on any *two* of the following. Each question carries 5 weightage:

15. Explain in detail spectral signature of vegetation, water and soil.
16. Explain in detail basic concepts and foundation of remote sensing.
17. Give a detailed account on Digital Image Processing.
18. Write detailed notes on Database Management Systems.

(2 × 5 = 10 Weightage)
