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RNLKWC/B.Sc./CBCS/IVS/GEO/H/SEC2T/22

2022

GEOGRAPHY

[HONOURS]

(CBCS)

(B.A. Fourth Semester End Examination-2022)

PAPER-SEC-2T

Time: 02 Hrs

Full Marks: 20

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

Answer any three question :

3x4=12

1. What are the limitations of digital photogrammetry?
2. What is radiometric and geometric correction in remote sensing?
3. Briefly describe the effects of vegetation over a thermal image.
4. Distinguish between Geostationary and Sun-synchronous satellites with examples..
5. Write a short note on Electro Magnetic Spectrum (EMS).
6. Briefly discuss different blackbody radiation laws.

Group -B

Answer any four of the following questions:

4x2 = 8

7. What is contrast stretching?

(4)

8. What do you mean by SAR image?
9. What is 'TFOV'?
10. Distinguish between active and passive sensor.
11. What is the role of atmospheric window band in remote sensing?
12. What is non-selective SWATH?
13. What is 'Pixel'?