

19P150

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCSS PG)

CC19P GEL1 C03 – GEOINFORMATICS

(Applied Geology)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Short answer type. Answer any *four* questions.

1. Air base and eye base.
2. Texture and pattern in image interpretation.
3. Sensor platforms.
4. FCC.
5. Data and information.
6. Thematic maps.
7. SRTM DEM.

(4 x 2 = 8 Weightage)

II. Short essay type. Answer any *four* questions.

8. DBMS
9. Procedures of data inputs to GIS software and digital cartography.
10. Spatial data transformation.
11. Image enhancement techniques.
12. Principles of Thermal Infrared Remote sensing.
13. Electromagnetic spectrum and spectral signatures of real world objects.
14. Stereoscopy and vertical exaggeration.

(4 x 3 = 12 Weightage)

III. Essay type. Answer any *two* questions.

15. Give an account of principles and applications of microwave remote sensing.
16. Explain the elements of remote sensing process. Add a note on the resolution concept in satellite remote sensing.
17. Discuss the application of remote sensing in mineral exploration.
18. Give an account of the application of GIS for managing natural disasters in Kerala.

(2 x 5 = 10 Weightage)
