



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

MGIS 1ST YEAR ASSIGNMENT

Last Date of Submission: 15 May, 2013

Course Title: Remote Sensing & GPS **Course Code: MGIS-03/PGDGIS-03/CGIS-03**

Year: 2012-13

Maximum Marks: 40 Marks

Section 'A'

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answer 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. Which type of resolution is characterized by the wavelength? Explain briefly.
2. Give a diagrammatic illustration of what is remote sensing.
3. What is the difference between a satellite, sensor and platform?
4. Name any 4 errors in acquiring GPS data. Explain geometric error and its corrections.

Section 'B'

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answer 02 questions only.

1. What is a spectral signature?
2. What is atmospheric window? Why is it important in remote sensing?
3. Name 5 satellites with sensors.
4. Give 5 examples of application of GPS.
5. Why do we need a GPS?
6. LISS III is the sensor of which satellite? How many bands are there in LISS III?
7. Name a few uses of this multispectral data.
8. Name one active remote sensing satellite. What kind of information can be derived from this satellite data?