



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

**MASTER OF GEO INFORMATICS  
AND  
POST GRADUATE DIPLOMA IN GEO INFORMATICS  
ASSIGNMENT**

*Last Date of Submission: 15/5/2016*

**Course Title: Remote Sensing & GPS  
Year: 2015-2016**

**Course Code: MGIS-03  
Maximum Marks: 40**

**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. Discuss on GLONASS GPS System
2. Explain following:
  - a. Diffuse Reflectance
  - b. Non selective scattering
  - c. Swath
3. Discuss the role of atmospheric window in remote sensing.
4. What do you know about PSLV and GSLV?
5. Explain interaction of EM energy with the target.
6. Explain Image Interpretation Elements
7. What is Across-track scanning?
8. Discuss on image referencing system.

**Section 'B'**

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

1. Discuss following:
  - a. Digital Image

- b. Resolution
  - c. GPS Frequency
2. What are the remote sensing satellites launched by India? Write a short on its sensors
  3. What are the errors introduced in a GPS? Explain in brief.
  4. Explain the working principle of DGPS.

