



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

**POST GRADUATE DIPLOMA IN GEO INFORMATICS
ASSIGNMENT**

Last Date of Submission: 15 May, 2012

Course Title: Remote Sensing & GPS
Year: 2011-12

Course Code: PGDGIS-03
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. Discuss on NAVSTAR GPS System
2. Explain following:
 - a. Specular Reflectance
 - b. Rayleigh scattering
 - c. Platforms
3. Discuss the role of atmospheric window in remote sensing.
4. Discuss on GLONASS and GALILIO
5. Discuss Stages of Remote Sensing.
6. Explain Image Interpretation Elements
7. Discuss on Passive and Active Remote sensing
8. Discuss applications of microwave remote sensing.

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 is GPS? Write a detailed account of GPS – its fundamental concepts, segments, and applications.
3. What is Satellite and Sensors? Discuss on IRS Series
4. Discuss on GPS Errors

