



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: 15/05/2016

**Course Title: DIP & Mapping
Year: 2015-16**

**Course Code: MGIS-04
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. What do you understand by digital image?
2. Explain Hyper-Spectral Image
3. Discuss on Image Classification
4. What is the different between RADAR and LIDAR?
5. Why Accuracy assessment is important in image classification?
6. What is Scale? Explain scale types.
7. What is SRTM DEM?
8. Discuss principle and procedure of Image registration.

Section 'B'

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

1. Give an overview of Image Enhancement Techniques.
2. Explain the following Topics:
 - a. Supervised classification
 - b. Band Combination
 - c. Histogram Equalization

3. Discuss on principal component transformation.
4. What is filtering in DIP? Explain its all components.

