

Roll No.

Total Pages : 2

CMDQ/D-23

5093

INTRODUCTION TO REMOTE SENSING

Paper–M–GEO–305

Time Allowed : 2½ Hours]

[Maximum Marks : 35

Note : Attempt **four** questions in all, selecting at least **one** question from each Unit. Question No. **1** is compulsory.

Compulsory Question

1. Answer the following in brief : 8
- (a) Relief displacement.
 - (b) Kirchhoff's law.
 - (c) Geometric distortion.
 - (d) FCC.

UNIT-I

2. Describe the Historical development of Aerial photographs and remote sensing. Discuss its application in Geographical studies. 9

3. Differentiate aerial photographs and imageries. Discuss types of Remote sensing in context of platforms and sensors. 9
4. Which portion of EMR is used in Remote sensing? Discuss it in context of EMR spectrum and atmospheric window. 9

UNIT-II

5. Discuss the Earth resource satellites in detail with their merits and limitations. 9
6. Write short notes on the following : 9
- (a) Hyperspectral vs Multispectral images.
 - (b) Radiometric correction.
7. Write short notes on the following : 9
- (a) Digital image classification.
 - (b) Application of Remote sensing in resource mapping.