

Roll No.

Total Pages : 2

CMDQ/D-23

5214

REMOTE SENSING TECHNOLOGY

Paper–GT–701

Time allowed : 3 Hours]

[Maximum Marks : 100

Note : Attempt **five** questions in all, selecting **one** question from each unit. Questions No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Answer the following briefly:
 - (a) Interpretation key
 - (b) Large scale
 - (c) Albedo
 - (d) Hazard.

UNIT-I

2. Describe the interaction of radiation with the atmosphere.
3. Write short notes on any **two** of the following:
 - (a) Electromagnetic spectrum
 - (b) Remote sensing
 - (c) Scattering.

UNIT-II

4. Describe the oblique aerial photographs and their utility.
5. Write short notes on any **two** of the following:
 - (a) Thermal scanners
 - (b) Photo-mosaics
 - (c) Stereoscopes.

UNIT-III

6. Describe the basic principles of image interpretation.
7. Write short notes on any **two** of the following:
 - (a) IRS series satellite program
 - (b) Cartosat
 - (c) Visual image interpretation keys.

UNIT-IV

8. Describe the image characteristics of sedimentary terrain.
9. Write short notes on any **two** of the following:
 - (a) Remote sensing in landslide monitoring
 - (b) Utility of remote sensing in flood monitoring
 - (c) Aeolian landforms.