

Roll No. ....

Total Pages : 2

**CMDQ/M-24**

**5563**

## **REMOTE SENSING AND GIS**

Paper-G-402

Time Allowed : 3 Hours]

[Maximum Marks : 75

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

### **Compulsory Question**

1. Describe the following briefly :

- (a) Disaster.
- (b) Resource.
- (c) Scale.
- (d) GIS.
- (e) Texture.

### **UNIT-I**

2. Discuss the different types of Aerial photographs.

3. Write short notes on any **two** of the following :

- (a) Interpretation key.
- (b) Spatial resolution.
- (c) Brightness and tone.

### **UNIT-II**

- 4. Discuss in detail the Indian Remote sensing series program.
- 5. Write short notes on any **two** of the following :
  - (a) MSS.
  - (b) Active sensor.
  - (c) Low Earth Orbit.

### **UNIT-III**

- 6. Describe the applications of Remote sensing in Disaster management.
- 7. Write short notes on any **two** of the following :
  - (a) Identification of Lithology on imagery.
  - (b) Applications of Remote sensing in Tunnel alignment.
  - (c) Resource management.

### **UNIT-IV**

- 8. Describe the Raster Data model in GIS.
- 9. Write short notes on any **two** of the following :
  - (a) Software used for GIS studies.
  - (b) Digital terrain model.
  - (c) Ground control points.