

Roll No. ....

Total Pages : 2

**CMDQ/M-24**

**5580**

## **GIS TECHNOLOGY**

Paper–GT–804

Time Allowed : 3 Hours]

[Maximum Marks : 100

**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. Answer the following briefly :

- (a) TIN.
- (b) Data redundancy.
- (c) GIS.
- (d) GCP.
- (e) Digitizer.

### **UNIT-I**

- 2. Discuss the future applicability of GIS technology.
- 3. Discuss any two Software(s) which are popularly used in GIS analysis giving their advantages.

### **UNIT-II**

- 4. Write short notes on any **two** of the following :
  - (a) Spatial information.
  - (b) Hard Disk.
  - (c) DVD technology.

- 5. Describe the concept of thematic layers and its utility in GIS.

### **UNIT-III**

- 6. Write short notes on any **two** of the following :
  - (a) Precision.
  - (b) Sources of error.
  - (c) Overlay operation.
- 7. Describe the Spatial arrangements in GIS.

### **UNIT-IV**

- 8. Write short notes on any **two** of the following :
  - (a) Map production in GIS.
  - (b) Satellite constellation for GPS.
  - (c) Use of atomic clocks in GPS.
- 9. Discuss the applications of Digital elevation model.