

Roll No. ....

Total Pages : 2

**CMDQ/M-24**

**5570**

## **ENERGY MINERAL RESOURCES**

### **OF INDIA**

Paper–GT–404

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. Write short notes on the following :

- (a) Conventional sources of Energy.
- (b) Rank of Coal.
- (c) Source rock.
- (d) Radioactivity.

#### **UNIT–I**

- 2. Write details on Energy mineral resources of India and their contribution to the total Energy demands of the country.
- 3. What are the Energy resources of India? Discuss importance of sustainable energy resources in the development of the India.

#### **UNIT–II**

- 4. Discuss important Gondwana coal fields of India.
- 5. Comment on the following :
  - (a) Properties of Coal.
  - (b) Coal production.

#### **UNIT–III**

- 6. Discuss current status and future prospects of India's Oil and Gas reserve.
- 7. Comment on the following :
  - (a) Characteristics of Reservoir rocks.
  - (b) Secondary migration of Oil.

#### **UNIT–IV**

- 8. Discuss mode of Occurrence and Association of Atomic minerals in India.
- 9. Comment on the following :
  - (a) Peaceful uses of Nuclear energy.
  - (b) Uranium deposits in India.