

## **Mining Engineering (Module II)**

### **Part II**

**Marks : 10**

#### **Regulatory and Environmental Framework**

1. Mines Act (1952) and the Regulations and Rules thereunder
2. Mines & Minerals (Development and Regulation) Act, 1957, Mineral Concession Rules, 1960 and Mineral Conservation & Development Rules, 1988
3. Environmental Legislation applicable to Indian Mines.
4. National Mineral Policy, 1993.

### **Part III**

**Marks : 50**

#### **Practice of Mining Engineering**

- o Exploration for Mineral Deposits
- o Selecting a Mining Method
- o Opening and Development
- o Fragmentation
- o Open Pit Mining Systems and Equipment
- o Underground Mining Systems and Equipment
- o Ground Control
- o Ventilation
- o Transportation systems and Infrastructure
- o Mine Planning, Systems Engineering and Cost Control
- o Best Practice Environmental Management in Mines.