

## **Geological and Mineral Technologists and Technicians**

Geological and Mineral Technologists and Technicians assist geologists and mining engineers in exploring, analyzing, and managing mineral and geological resources. They perform technical fieldwork and laboratory tests to support resource extraction, environmental monitoring, and geological research. Their work ensures safe, efficient, and sustainable use of natural resources.

### **Duties and Responsibilities (Points):**

- Collect, prepare, and analyze rock, soil, and mineral samples
- Conduct field surveys, mapping, and site inspections
- Operate and maintain laboratory and field testing equipment
- Record, interpret, and report geological and mineral data
- Assist in exploration and evaluation of mineral deposits
- Monitor environmental impact and ensure compliance with regulations
- Prepare technical reports, charts, and maps for projects
- Collaborate with geologists, engineers, and research teams
- Support mining operations and resource management activities
- Stay updated on geological methods, safety standards, and technological advancements