

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF CHEMISTRY

Assignment 1: CHY 110 (Environmental Science)

Dr. Soumya Mukherjee

B. Tech (First Year, Section G): Autumn Semester (2024-2025)

Deadline: one week

1. Few decades ago, there was enough tea plantation in Chhota Nagpur area, but gradually it has been decayed – explain.
2. How burning of H₂ gas in presence of air can be related with Global Warming?
3. Which type of mining (surface or sub-surface) leads to large amount of deforestation and why?
4. How the Indus Water Treaty is associated with the cultivation in the Punjab state of India?
5. How the microbial-leaching technique can be utilized for eco-friendly mining of Gold metal?
6. A sample of organic wastewater cannot easily contaminate the ground water, but a sample of acidulated (H₂SO₄) water is able to pollute the ground water – justify your answer with proper reasoning.