

Maulana Azad National Institute of Technology (MANIT)- Bhopal

Assignment Problems: Lubricant

Course Name: Engineering Chemistry

Subject Code: CHY 106

Section G

B.Tech (First Year)- Semester-I 2024-25

Name of Faculty: Dr. Amit Dubey

1. Enumerate the properties that make an ideal lubricant. How these properties contribute to effective lubrication.
2. Explore eco-friendly or bio-based lubricants and their potential advantages.
3. Explore different types of solid lubricants and discuss the mechanisms through which solid lubricants provide friction reduction.
4. Explore common methods used for tribological testing of lubricants.
5. Select a specific industry (e.g., aerospace, manufacturing) and discuss the lubrication challenges it faces. Propose solutions and innovative lubrication strategies for overcoming these challenges.