**Long Answer Questions (LAQs)**

1. **Explain the different types of hazardous chemicals found in laboratories and the risks they pose to human health and the environment. Provide examples.**
2. **Discuss at least five general safety precautions that must be followed when handling hazardous chemicals in a laboratory. Why are these precautions important?**
3. **Describe the first aid measures you would take in case of: (a) chemical spill on skin, (b) chemical splash in eyes, and (c) inhalation of toxic fumes.**
4. **What is a Material Safety Data Sheet (MSDS)? Explain its importance and describe at least four key sections found in an MSDS.**
5. **A student accidentally spills concentrated acid on their arm. Describe step-by-step what immediate first aid actions should be taken, and what should be avoided.**

**🔹 Short Answer Questions (SAQs)**

1. **What should you do immediately if a corrosive chemical comes in contact with your skin?**
2. **Name any two Personal Protective Equipment (PPE) used when handling hazardous chemicals.**
3. **Why is it dangerous to store acids and bases together?**
4. **What is the purpose of a fume hood in a chemistry lab?**
5. **Which first aid measure should be taken if someone inhales a toxic chemical vapor?**