QUALIFICATION IN LABORATORY SAFETY (QLS)
EXAMINATION TOPIC OUTLINE

The Qualification in Laboratory Safety examination questions encompass different topics or subtests within the area of Laboratory Safety: Management, General Safety, Chemical Safety, Biohazard Control, and Physical Environment. Each of these subtests comprises a specific percentage of the overall 50-question qualification examination. The subtests for the examination are outlined below:

I. MANAGEMENT (18 – 22%)
   A. Administrative
      1. Risk assessment/management
         a. Planning
         b. Quality management
      2. Medical surveillance
         a. Employee evaluation
      3. Emergency preparedness
   B. Regulatory Agencies
      1. Federal (e.g., OSHA, CDC, DOT, FDA, EPA, RCRA)
   C. Training and Education

II. GENERAL SAFETY (18 – 22%)
   A. Ergonomics
   B. Fire Safety
      1. Extinguishers
      2. Evacuation procedures
   C. First Aid
      1. Burns
         a. Chemical
   D. Signs and Labels
      1. Warning
      2. NFPA

III. CHEMICAL SAFETY (18 – 22%)
   A. Chemical Classifications
      1. Corrosive
      2. Flammable
   B. CHO/CHP/GHS
      1. SDS
   C. Storage

IV. BIOHAZARD CONTROL (18 – 22%)
   A. Infection Control
   B. PPE
   C. Standard Precautions, Universal Precautions

V. PHYSICAL ENVIRONMENT (18 – 22%)
   A. Equipment
      1. Ventilation
         a. Hoods
         b. Vents
         c. Isolation
      2. Biological safety cabinets (e.g., NSF49)
   3. Storage cabinets
   4. Centrifuges
   B. Spills and Clean-Up
   C. Disposal and Waste Management
   D. Disinfection and Decontamination