

- 1. Metrology in General**
 - Global legal, industrial, scientific and chemical measurement system & its status in Nepal
- 2. Calibration of electronic balances/single pan, two knife edge balances**
- 3. Mass Calibration by direct comparison as well as using weighing schemes**
- 4. ISO and the consumer**
 - Concept of standards, Importance & benefits of standards for consumers, ISO addressing consumers concerns,
- 5. Accreditation**
 - Definition, its importance for testing and calibration Laboratories, Methods used by accreditation body for evaluating the competence of a Lab; Prerequisites for seeding Accreditation, Procedure for Accreditation Laboratory Accreditation Scheme in Nepal.
- 6. General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025)**
 - Management requirement; Technical requirements. Test and calibration methods and method validation, Equipment, Calibration, Testing, Reference Standards and reference materials; Test reports and calibration certificates.
- 7. Quality Management Systems ISO 9001**
 - General requirements; Documentation requirements, Quality Policy; Product realization
- 8. NS Quality Award**
 - History, Objectives, Stages of Evaluation: Screening, Auditing and Judging Criteria.
- 9. General requirements for bodies operating assessment and certification/registration of quality Systems (ISO/IEC Guide 62)**
 - Requirements for certification/registration bodies, Requirements for Certification/registration.
- 10. Conformity Assessment**
 - Conformity Assessment Infrastructure, Proficiency testing
- 11. Environmental Management System**
 - General requirements, Environmental policy and Planning