

25PCEM05 ISO STANDARDS FOR ENVIRONMENTAL MANAGEMENT AND AUDITING (3-1-0)

MODULE-I (10 HOURS)

- ISO 14001:2015_ Environmental Management System (EMS)
- ISO 14004:2016_ Guidelines to implement ISO 14001
- ISO 19011:2018_ Guidelines for auditing EMS and QMS
- ISO 14040:2006_ LCA principles & framework_ Base for life cycle analysis project work.

MODULE-II (10 HOURS)

- ISO 14044:2006_ LCA detailed techniques and impact assessment
- Paris Agreement (2015), Global temperature rise control within 1.5–2°C
- Agenda 21 (1992 Rio Summit), Sustainable development global action plan
- Rio Declaration on Environment and Development (1992), 27 principles of global environmental governance including Polluter Pays Principle.
- UNFCCC – United Nations Framework Convention on Climate Change (1992)- Global cooperation to limit greenhouse gas emissions

MODULE-III (10 HOURS)

- Kyoto Protocol (1997) Legally binding emission reduction targets for developed nations
- Montreal Protocol (1987) Control of ozone-depleting substances (CFCs, HCFCs)
- Basel Convention (1989) Control of transboundary movement of hazardous waste
- UN SDGs – Sustainable Development Goals (2015–2030) Global framework for environmental sustainability indicators