

# CERTIFICATE COURSE IN ENVIRONMENTAL POLLUTION

## SYLLABUS

DEPARTMENT: DEPARTMENT OF BOTANY

NAME OF COURSE: CERTIFICATE COURSE IN ENVIRONMENTAL POLLUTION

COURSE CODE: CVAC009

TOTAL HOURS: 30

### UNIT-I (10 HOURS)

The causes of global warming, ozone depletion, enhanced N and S emissions - Major sources of air, water and soil pollutants - Effects of pollutants on physico-chemical and biological properties surrounding atmosphere – Air and water born diseases and their effects on health - Group Discussion.

### UNIT- II (10 HOURS)

Air, drinking water and waste water quality standard - Major sources of noise pollution, effects of noise pollution on health - Noise level standard in industrial, commercial, residential and silence zones - Radioactive and thermal pollution sources and their effects on surrounding environment - Group Discussion.

### UNIT -III (10 HOURS)

Environmental management - Environmental indicators and their use in resource management, intellectual property rights - Sustainable development - Solid waste disposal and its effects on surrounding environment - Group Discussion.

## REFERENCE

- The Science of Environmental Pollution by Frank R. Spellman
- Air Pollution: Supplement to Measurements, Monitoring, Surveillance, and Engineering by Arthur C Stern.
- Pollution Monitoring and Control” by V K Prabhakar