

**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)****उत्तराखण्ड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)****M.Sc. Environmental Science (MSCEN-13)****IIND YEAR ASSIGNMENT**

Last Date of Submission 15 Mayजमा करने की अन्तिम तिथि: 15 मई

Course Title: Air Pollution and Control Technologies**Course Code:** ES 551**Year:** 2013-14**Maximum Marks:** 40**Section 'A'**

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answer 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

Briefly discuss the following:

- 1- Differentiate between London smog and Los Angeles smog.
- 2- Explain why carbon monoxide is dangerous to human health, if inhaled.
- 3- Describe "total allergy" and its control measures.
- 4- Describe methods of identifying sampling stations for air pollution monitoring. Name various instruments used to measure the air pollutants.
- 5- Explain the health effects of vehicular pollution.
- 6- Explain the reuse features of waste generated in cement plants.
- 7- Explain the flue gas desulphurization process in steel industry
- 8- What is noise pollution? Describe health effects of noise pollution in human beings. How can the noise pollution problem be controlled in crowded cities.

Section 'B'

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answer 02 questions only.

- 1- Explain briefly the law concerning control of air pollution. Describe role of CPCB.
- 2- Describe the principle and working of electrostatic precipitator.
- 3- Explain pollution control technology for automobiles.
- 4- Describe environmental effects of thermal power plant and technologies for control of oxides of sulphur in thermal power plants.