

**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)****उत्तराखण्ड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)****M.Sc. Environmental Science (MSCEN-13)****IIND YEAR ASSIGNMENT****Last Date of Submission 15 May****जमा करने की अन्तिम तिथि: 15 मई****Course Title: Air Pollution and Control Technologies**
Year: 2014-15**Course Code: ES 551**
Maximum Marks: 40**Section 'A'**

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

Briefly discuss the following:

- 1- List sources of air pollutants particularly SO₂, NO_x, CO, CO₂ and SPM.
- 2- Differentiate between:
 - a. London smog and Los Angeles smog
 - b. Stability and instability
- 3- Write short notes on:
 - a. Florisis
 - b. Lead pollution
- 4- Explain the health impacts of vehicular pollution.
- 5- What are Bharat-I, II and III?
- 6- Describe reuse of wastes generated in cement plants.
- 7- What are the units that release major environmental pollutants.
- 8- Explain the impacts of a paper industry on water environment.

Section 'B'

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

- 1- What is global warming? Describe green house effect and its role in climate change.
- 2- Explain the principle and functioning of ESP.
- 3- Describe the technologies used to control oxides of sulphur in thermal power plants.
- 4- Describe impacts of noise pollution and measures to control it.