

**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)****उत्तराखण्ड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)****M.Sc. Environmental Science (MSCEN-12)
1ST YEAR ASSIGNMENT****Last Date of Submission (जमा करने की अन्तिम तिथि): 15 May****Course Title: Environmental Health & Natural Hazards
Year: 2012-13****Course Code: ES 504
Maximum Marks: 40****Section 'A'****Section 'A' contains 08 short answer type questions of 2^{1/2} marks each. Learners are required to answer 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.**

1. Define health and diseases. Discuss in brief the various kinds of diseases and its types.
2. What do you understand by the epidemiology? Discuss in brief the uses of epidemiology.
3. Discuss in brief the sources of radiations in the environment. Also explain radiation damage to tissues and organs.
4. Write a note on the indoor air pollution.
5. Discuss in brief the carcinogenic pollutants.
6. What do you understand by air quality? Discuss the parameters considered in determining air quality.
7. Enumerate and discuss briefly the various methods of treatment of public water supplies drawn from a river.
8. Discuss in brief the causes and effects of Bhopal Gas Tragedy.

Section 'B'**Section 'B' contains 04 long answer-type questions of 5 marks each. Learners are required to answer 02 questions only.**

1. Write an essay on the origin, classification and environmental impacts of volcanoes.
2. What are the causes of landslides? Discuss the various kinds of landslides and factors influencing the slope stability. Also discuss the various slope stabilization measures.
3. What do you understand by primary and secondary pollutants? Discuss origin and impacts of air pollution in detail.
4. Discuss various kinds of toxic and chemical waste found in our environment. Also discuss their harmful effects in ecosystem in detail.