



# Environmental Studies

May 17

First Year (Semester 1)

**Total marks: 60**

**Total time: 2 Hours**

## INSTRUCTIONS

- (1) Question 1 is compulsory.
- (2) Attempt any **three** from the remaining questions.
- (3) Draw neat diagrams wherever necessary.

### Q1) Attempt any five

- 1(a)** Explain Food chain. (3 marks)
- 1(b)** Explain Environmental aspects of sustainable development. (3 marks)
- 1(c)** What is mean by E pollution? (3 marks)
- 1(d)** Differentiate between conventional and non-conventional. (3 marks)
- 1(e)** Explain concept of carbon credit. (3 marks)
- 1(f)** Explain Environmental Impact Assessment (EIA). (3 marks)
- 1(g)** Explain causes and effects of Ozone layer depletion. (3 marks)
- 2(a)** Explain various modes needed for public awareness to protect earth from environmental degradation. (5 marks)
- 2(b)** Explain need and importance of Environmental studies. (5 marks)
- 2(c)** Explain the classification of ecosystem. (5 marks)
- 3(a)** Explain principle, construction and working of venturi scrubber. (5 marks)
- 3(b)** What is meant by water pollution? Explain sources and effects of water pollution. (5 marks)
- 3(c)** List the widely used methods for solid waste treatment. Explain any one in details. (5 marks)



**4(a)** Outline the important features of environmental clearance and authorization mechanism?

(5 marks)

**4(b)** What are important powers and function of Central pollution control board?

(5 marks)

**4(c)** What do you mean by Noise pollution? Explain sources and effects of Noise pollution.

(5 marks)

**5(a)** How electricity is generated by using wind energy?

(5 marks)

**5(b)** State and explain principal, construction and working of flat plate collector used for solar energy.

(5 marks)

**5(c)** What are the limitations of conventional sources of energy ?

(5 marks)

**6(a)** Explain the case study of Kedarnath.

(5 marks)

**6(b)** Explain the concept and objective of green building.

(5 marks)

**6(c)** What are the various techniques of Disaster management.

(5 marks)