

University Institute of Engineering & Technology

(Recognised Under Section 2(f) and 12B of UGC)

Kurukshetra University, Kurukshetra

Roll No. -

THEORY EXAMINATION – DECEMBER 2016

B.TECH.

SEMESTER - III

TIME – 3 Hrs.

M.M. - 75

**COURSE NO. – ES-101E/
MPC-201**

COURSE TITLE - ENVIRONMENTAL STUDIES

(Questions as per UGC syllabus)

NOTE- Attempt FIVE questions in all. Question 1 is compulsory.

PART-A

Compulsory Question

Q.1 Write short notes on the following:

- Shifting Cultivation.
- Types of aquifers.
- Eutrophication.
- Biotic components of an ecosystem.
- Landslides.
- Biological magnification.
- Primary and Secondary air pollutants.
- Endangered animal species of India.
- Rainwater Harvesting
- Desertification

(10*2.5)

PART-B

Q.2 Explain the multidisciplinary nature of Environmental Studies. How can public be made aware about Environmental protection. (6.5+6)

Q.3 a) What is deforestation and what are the major causes of deforestation. (6.5)
b) Write down the environmental impacts due to overgrazing and modern agriculture. (6)

Q.4 Write brief notes on (6.5)
a) Uses and over-utilization of groundwater (6)
b) Land degradation

Q.5 Explain the concept of Ecosystem. Describe the characteristic features, structure and function of a Forest ecosystem. (12.5)

Q.6 Define biodiversity and explain the different levels of biodiversity. What are the major threats to biodiversity? (12.5)

Q.7 What is air pollution. Describe the sources, effects and control measures of air pollution. (12.5)

Q.8 a) Explain Green house effect. Write down the major green house gases responsible for global warming. (6.5)
b) Describe the water conservation techniques (6)

Q.9 Write short notes on (6.5)
a) Population Explosion (6)
b) Women and Child Welfare