University Institute of Engineering & Technology

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

Kurukshetra University, Kurukshetra

THEORY EXAMINATION- December, 2018

B.TECH (SEMESTER-III/IV)

COURSE TITLE- ENVIRONMENTAL STUDIES

(Paper Pattern as per UGC Guidelines)

COURSE NO. - MPC-201/ES-101E

Time: 3 Hours

Maximum Marks: 75

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

PART-A Compulsory Question

1. Write short notes on the following:

- a. Hydrosere.
- b. Endangered Species
- c. Eutrophication
- d. Cyclones
- e. Shifting Cultivation
- Food chain and Food web
- g. Over exploitation
- h. Floods
- Renewable energy resources
- Climate change

 $(10 \times 2.5 = 25)$

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PART-B

- 2. Write definition, scope and importance of multidisciplinary nature of environmental studies. What are the problems related to natural resources? (12.5)
- 3. What are the water resources? Explain in detail the uses and over- utilization of surface (12.5)and ground water.

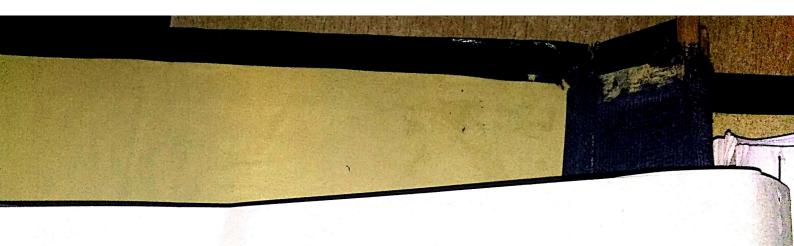
4. Write notes on the following:

- a. Concept of an ecosystem
- b. Ecological Pyramids

(6.5+6)

(6+6.5)

- 5. Write short notes on:
 - (a) Rainwater harvesting



- (b) Resettlement and Rehabilitation issues
- 6. What are the different levels of biodiversity? Explain the various bio geographical regions (12.5)of India.
 - 7. Explain the following:
 - a. Population explosion and factors influencing population size
 - b. Women and Child welfare
 - 8. Give an account on biodiversity conservation and write about the national parks and (12.5)sanctuaries of India.
 - 9. Write a detail note on effective solid waste management. Give a detail classification of (12.5)solid wastes with examples.