

FACULTY OF ENGINEERING

B.E. 2/4 (CE/ECE/AE/CSE) II-Semester(Supplementary) Examination, December 2013

Subject : **Environmental Studies**

Time : 3 Hours

Max. Marks: 75

Note: Answer all questions of Part - A and answer any five questions from Part-B.**PART – A** (10x2.5=25 Marks)

1. Differentiate between primary pollutants and secondary pollutants.
2. List the environmental effects because of major dams.
3. With help of an example explain food chain and food web.
4. Explain what do you mean by sustainable logging in forests.
5. Write a brief note on automobile pollution.
6. List the objectives of rain water harvesting.
7. Define acid rain and list the consequences of acid rain.
8. Explain the concept of sustainable development.
9. What do you mean by water borne diseases? Give two examples.
10. What do you mean by ecological pyramids?

PART – B (5x10=50 Marks)

- 11.(a) What do you mean by environmental pollution? Explain some of the major problems of environmental pollution faced by the mankind today. (5)
- (b) Differentiate between renewable and non-renewable resources. With help of one example each explain the environmental issues related with those energy resources. (5)
- 12.(a) Define an ecosystem. With help of pond ecosystem, explain the different components of the ecosystem and their function in the ecosystem. (5)
- (b) Explain some of the important causes for ecological imbalances. Discuss the role of the human being in controlling ecological imbalances. (5)
- 13.(a) Discuss the importance of biodiversity for the existence of humans. (5)
- (b) Explain the possible threats to the biodiversity and how you would plan to control loss of biodiversity. (5)
- 14.(a) Present the sequence of units as they appear in wastewater treatment plant. List the objectives of each unit. (5)
- (b) Give the classification of sources of air pollution giving two examples of pollutants from each source and their effects on humans. (5)
- 15.(a) Explaining the effects of noise pollution, discuss the measures to control noise pollution. (5)
- (b) List the gases responsible for global warming. Explain the possible consequences of green house effect. (5)
- 16.(a) List the possible methods used for disposal of municipal solid wastes. In detail explain the merits and demerits of any two methods. (5)
- (b) What do you mean by watershed management? Explain how you control soil erosion in watersheds. (5)
17. Write short notes on any **three** of the following: (10)
 - (a) Importance of forests
 - (b) Floods
 - (c) Impacts of mining
 - (d) Ozone layer depletion
 - (e) Disaster management