

Code No: 09A30301

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year I Semester Examinations, June/July-2014

ENVIRONMENTAL STUDIES

(Common to ME, ECE, CHEM, ETM, AE, MIE, MS&amp;NT)

Time: 3 hours

Max. Marks: 75

Answer any five questions

All questions carry equal marks

- - -

- 1.a) What is the need for studying environmental issues?
- b) Discuss in detail the different components of environment.
- 2.a) What are renewable and non-renewable resources? Give examples.
- b) What are the direct and indirect benefits from forest? Explain.
- 3.a) Explain how fat-soluble pollutants like DDT get biomagnified?
- b) What are the major factors that are responsible for the loss of plant and genetic biodiversity? What steps are needed to prevent them?
- 4.a) What do you mean by Noise Pollution? How it can be measured? Describe the effects of Noise Pollution.
- b) Describe the impacts of Noise Pollution on human health.
- 5.a) What do you mean by Global warming? Explain the effects of it.
- b) Write a note on Kyoto Protocol.
- 6.a) Explain the qualitative approaches for prediction of environmental impacts of engineering projects.
- b) Explain the Box-model approaches for prediction of various environmental impacts for engineering projects.
- 7.a) Write a note on Air Act.
- b) Explain the rules for handling of Biomedical Waste.
- 8.a) What do you mean by Green building? Explain how it can be rated?
- b) Explain the role of IT in environmental protection.

---oOo---