



ANURAG GROUP OF INSTITUTIONS

Autonomous

School of Engineering

II-B.Tech -I- Semester (2018-19)

ASSIGNMENT-1

**ENVIRONMENTAL STUDIES
(MECHANICAL ENGINEERING)**

Max. Marks: 05

1. Explain the concept of an Ecosystem? Discuss the structure and functions of an Ecosystem in detail?
2. a) Define Food chain ? Describe its two basic types?
b) Explain various types of Ecological Pyramids?
3. a) Write on types of ecosystems?
b) describe the energy flow in the ecosystem?
4. What are the main objectives of conservation of Biodiversity and write about Insitu and Exsitu conservation of Biodiversity?
5. India is a Mega diversity nation? Justify? Write on zones of Indian biogeography ?
6. Write on : a) Threats to biodiversity
b) IUCN categories of biodiversity
c) Hot Spots of biodiversity
d) RED DATA BOOK
7. Define deforestation? Explain the effects of deforestation with any three case studies?
8. Enumerate the environmental effects of extracting and using mineral resources? Mention and explain with any three case studies?
9. Energy needs are growing? Discuss? Explain the importance of alternate energy resources(write any three case studies)?
10. Write any two case studies, about

a) Water pollution b) Soil pollution c) Nuclear pollution