

**Babu Banarasi Das -National Institute of Technology & Management, Lucknow**

B. Tech Second Year (Third Semester) 2018-19

Department of Civil Engineering

**Environment and Ecology (BAS-30)****Assignment-I (Unit-2)****Short and Long questions, attempt all questions.**

1. Discuss Importance and scope of environmental studies.
2. Explain the multidisciplinary nature of environmental studies.
3. What is environment and segments of environment with proper diagram?
4. Write different zones of the atmosphere in detail.
5. What is ecosystem? What is structure of an ecosystem?
6. What are functions of an ecosystem?
7. Describe energy flow in an ecosystem.
8. What are ecological pyramids?
9. What is food chain? Name types of food chains with suitable examples.
10. What is Sustainable Development? Discuss the concept of sustainable development.
11. What is Environment Impact Assessment? Write about the process in detail.
12. What are the effects of agricultural activity on environment?
13. What is the effect of mining activity on environment?
14. What are ecological effects of industry activity on environment?

**Short Notes**

15. Briefly define the following:
  - i. Lithosphere and its ecological significance
  - ii. Importance of shelter and economic security
  - iii. Global Challenges to Food security
  - iv. Components of Balanced Ecosystem
  - v. Food Web Mechanism
  - vi. Food Chain vs. Food Web
  - vii. Nematology vs. Anthropology
  - viii. Environmental Layer Rate
  - ix. Role of Atmosphere
  - x. Acid Rainage
  - xi. EIS

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