



**DOON UNIVERSITY, DEHRADUN**  
**Semester Final Examination , Second Semester, 2013**  
**School of Environment and Natural Resources**

**MSc. Environmental Science (Environmental Studies)**  
**EES-513: Aquatic Environment**

**Time: 2:00 hours**

**Maximum Marks :30**

**Note: Attempt Questions from all sections :A,B,C**

**SECTION : A (Short answerType Questions ) Attempt all (Marks : 6 x1 =6)**

Q1. What is water pollution ? Define the sources of water pollution.

Q2. Define wetlands and their importance .

Q3. Differentiate them : marine ecology and marine biology.

Q4. Describ briefly the anaerobic treatment of waste water.

Q5. What are the main function of lakes or ponds.

Q6. How mountain ponds are formed?

**SECTION : B (Short answerType Questions ) Attempt any four (Marks : 4 x3 =12)**

Q1. What is eutrophication ? What are the major effects of eutrophication and how we can control it?

Q2. Discuss the physical and chemical characteristics of sea water .

Q3. What is Oceanography ? Discuss the various branches of oceanography.

Q4. Explain them –a) hydrological cycle b) nitrogen cycle

Q5. Discuss the layers of lakes separated by density gradient.

**SECTION : C (Long answerType Questions ) Attempt any two (Marks : 2 x6=12)**

Q1. Give an account of the structure and function of marine ecosystem.

Q2. What is chemical oceanography? Briefly describe the important aspect of chemical oceanography.

Q3. Write note on :

a) Coral reefs

b) Secondary treatment of waste water