

30-3-2016



**DOON UNIVERSITY, DEHRADUN**  
**Semester Mid Semester Examination, II Semester, 2016**  
**School of Environment & Natural Resources**  
**M.Sc. (Environmental Science)**  
**Course: EES – 513: Aquatic Environment**

*Time Allowed: 2 Hours*

*Maximum Marks: 30*

*Note: Attempt Questions form All Sections A, B & C*

**Section : A (Short Answer Type Questions)**

**(Marks: 5x2= 10)**

- Q.1 What is an average salinity of oceans . How does it affect density .
- Q.2 What are Wetlands? How many wetlands in India come under Ramsar convention?
- Q.3 Write short notes on any two of the following
- (i) Eutrophication
  - (ii) Coral bleaching
  - (iii) Holomictic lake
  - (iv) Stream order

- Q4. Define aquatic biomes.
- Q.5 Differentiate between estuaries and salt marshes.

**Section : B (Attempt any three questions)**

**(Marks:3 x 4=12)**

- Q1. Discuss in detail zonation in lotic system.
- Q2. Enumerate the heat budget of water and the factors affecting it.
- Q3. Discuss thermal stratification in lake?
- Q4. Why are wetland important ? Discuss in detail Ramsar Convention.

**Section : C (Long answer type question) Attempt any One**

**(Marks:1x8=8)**

- Q1. Differentiate the physico-chemical properties of Fresh Water Ecosystem with emphasis on Lotic and Lentic Habitat.

Q2. Categories <sup>or</sup> different types of Estuaries on the basis of origin & salinity.