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**RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES**

**B.Sc. (Special) Degree in Applied Biology  
Fourth Year – Semester I Examination – October/November 2017**

**BIO 4210 – AQUATIC RESOURCES AND CONSERVATION**

**Time: Two (02) hours**

**Answer any four (04) of the following questions.**

1. "United Nations has listed **invasive species discharged from ballast water** as one of the top four threats to marine ecosystems globally".

Justify the above statement with examples.

**(100 marks)**

2. Giving suitable examples show the importance of tank cascades to the conservation of water in the dry zone of Sri Lanka.

**(100 marks)**

3. Write a descriptive account on the importance of ocean currents to the marine ecosystem.

**(100 marks)**

4. Comment on the mercury cycle, emphasizing its impact on humans.

**(100 marks)**

5. Write short notes on the following.

- a) Thermocline
- b) Different types of sluices in man-made tanks
- c) Maritime Zones of Sri Lanka
- d) Perennial, intermittent and ephemeral streams

**(25 marks each)**

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