

**UNIVERSITY OF RUHUNA**

**Bachelor of Science in Fisheries and Marine Sciences Degree, January 2016**

**Level I, Semester II Examination**

✓ **LIM 1214**

**Basic Freshwater Biology**

**Time: Three (03) hrs**

**Answer all questions**

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1. Describe the adaptations of Protozoans for their success in various aquatic habitats.
2. "Specific life cycle patterns of Rotifers are important to explain their life in freshwater" Justify this statement.
3. Explain respiratory adaptations of aquatic insects in diverse freshwater habitats.
4. Describe the cell structure of different groups of freshwater algae as an adaptation to planktonic life.
5. Write short notes on the following:
  - a. Ecological importance of bryophytes
  - b. Adaptations of Amphibians to terrestrial life
  - c. Adaptations of submerged aquatic macrophytes to resist the flow of water
  - d. Morphological uniqueness of Cladocerans

