



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

**B.Sc. (Special) Degree in Applied Sciences  
Fourth Year – Semester I Examination – June / July 2018**

**BIO 4202 – ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL  
POLICY ANALYSIS**

**Time: Two (2) hours**

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**Answer all questions**

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1. Explain **three (03)** non-use values of environmental valuation. (100 marks)
  
2. Ministry of City Planning and Water Supply has undertaken a project to increase access to piped water services in Nuwaraeliya and Badulla districts. This project is funded by the World Bank and known as Water Supply and Sanitation Improvement Project. Perennial streams are the main water source in these projects. Considering the fact that there may be possible adverse environmental issues, the water intakes must be subjected to aquatic ecological assessment. If you are the Project Manager of the above project;
  - a) Prepare a TOR for an expert paying special emphasis on tasks to be carried out. (100 marks)
  
3. Construction of fish ladders (fish bypass devices) is an important mitigation strategy in conservation of fish.
  - a) Discuss the important factors that need to be considered when constructing a fish ladder.
  - b) Comment of how fish ladders play an important role in fish conservation. (100 marks)
  
4. Explain what are mini hydropower projects and their environmental consequences. (100 marks)

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