

UNIVERSITY OF RUHUNA  
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level II Semester I Examination

July 2015

FSC 2112 - Basic Ecological principles Applicable to Aquatic Ecosystems

Time: 01 ½ hours

Answer for any **three (03)** questions

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01. "Some of the interactions in a population do not result negative effect on other population that involved in a particular interaction". Explain this statement with relevant examples.
02. Write short notes on the following
- (i) Age pyramids
  - (ii) Resource partitioning
  - (iii) Population growth curves
  - (iv) Niche concept
03. Using suitable examples, write a description on characteristics of the community and their role on integrity of the community.
04. (i) Describe the causes for the ecological concept of "competition"
- (ii) Briefly explain the "intra-specific competition"
- (iii) Competitive exclusion is one of the principle results of inter-specific competition. Explain this statement with suitable examples.

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