

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level III Semester I - July/August 2015

AQU 3122 Aquaculture II – Feeds and Nutrition

Time: 01 ½ hrs

Answer only **Three (03)** questions

01. (a) Define the term “fish feed formulation” . (08 marks)
- (b) Describe the basic information that should be collected prior to fish feed formulation. (42 marks)
02. Write an account on “extrusion” and “steam pelleting” processes used in fish feed preparation. (50 marks)
03. Describe the deteriorative effects that can occur during fish feed storage. (50 marks)
04. Write short notes on **any two** of the following. (25 each)
- (a) Food Conversion Ratio (FCR) and Protein Efficiency Ratio (PER)
 - (b) Dry feeds and Moist feeds used in fish feed preparation
 - (c) Use of Fishmeal as a protein source
 - (d) Feeding methods used in aquaculture farms
05. (a) Discuss the importance of live feeds in aquaculture operations. (20 marks)
- (b) Explain why Brine shrimps are ideal as a live feed in aquaculture operations.
(30 marks)