

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE HONOURS IN FISHERIES AND MARINE SCIENCES
DEGREE

Level III Semester I Examination

August/September 2018

AQU 3122- Aquaculture II – Feeds & Nutrition

Time: 01 ½ hours

Answer any Three (03) questions

01. (a) Define the term “fish feed formulation.” (08 marks)
(b) “Collecting basic information prior to fish feed formulation is essential to prepare a proper diet for cultured fish.” Discuss this statement. (42 marks)
02. (a) “Use of dry feed types is preferred over use of moist feed types in fish farms.” Discuss this statement. (30 marks)
(b) Describe the “extrusion pelleting process” used in fish feed preparation. (20 marks)
03. “Use of proper feeding practices in fish farming is essential for a sustainable aquaculture industry.” Discuss this statement. (50 marks)
04. (a) Describe the importance of live feeds in hatchery operations in fish farms. (25marks)
(b) “Brine shrimps are commonly used as a live feed in fish farms.” Justify this statement. (25 marks)
05. Write short notes on **any two (02)** of the following. (25 marks each)
- a) Feed additives used in fish feed preparation.
 - b) Use of fishmeal in aquafeeds and the importance of alternative protein sources in aquafeed preparation.
 - c) Microbial damage of fish feed during storage.
 - d) Disorders in protein nutrition.

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