



FACULTY OF FISHERIES AND MARINE SCIENCES & TECHNOLOGY
Bachelor of Science Honors in Fisheries and Marine Sciences Degree

Level III, Semester-I Examination -2023/2024

AQU 3123: Aquaculture II- Feeds & Nutrition

Time: 02 hours

Answer all questions in Part I and Three (03) from Part II

01. (a) What is meant by "fish feed formulation"? (08 marks)
(b) Briefly describe the key information that should be collected before developing a fish feed formulation. (42 marks)
02. "Proper feeding practices are crucial for sustainability of the aquaculture industry." Discuss this statement. (50 marks)
03. Explain the detrimental effects that can occur during the storage of fish feed and the measures to be taken to overcome those problems. (50 marks)
04. Define the following terminologies and explain their significance in evaluating feed performance in aquaculture operations. (50 marks)
- i. FCR (Food Conversion Ratio)
 - ii. PER (Protein Efficiency Ratio)
 - iii. %SGR (% Specific Growth Rate)
05. Write short notes on any two (02) of the following. (25 marks each)
- a) Importance of using dry feeds in fish farming industry
 - b) Use of plant proteins in fish feed preparation
 - c) Brine shrimp is considered an excellent live feed for aquaculture practices
 - d) The benefits of decapsulating Artemia cysts

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