



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES, MIHINTALE

B.Sc. (Special) Degree in Applied Biology
Fourth Year – Semester I Examination – April/May 2015

ZOO 4309 - FISH HEALTH MANAGEMENT

Time: Three (03) hours

Answer any six (06) questions only.

Illustrate your answers with labeled diagrams where appropriate.

1. Discuss the **preventive and control measures** available to **reduce the risk of diseases** in the culture of fish/shell fish.
2. a) Discuss the factors that affect the **efficacy of fish vaccination**.
b) Briefly describe various **injection and oral vaccination methods** used in fish health management.
3. Answer **any two parts** only.
a) Outline the **feed quality problems** with health implications in fish/shell fish culture.
b) Mention the **causes and effects of stress** in cultured fish.
c) Give a brief account on fish diseases associated with **physico-chemical properties of water**.
4. Write a brief account on **causes and effects of fish injuries** in aquaculture.
5. Write a **concise account** on either **crustacean fish parasites** or **common parasitic protozoans of fish**.
6. Mention the **etiology, clinical signs, treatment and control measures** pertaining to the following **shrimp/ fish diseases**.
a) White spot disease
b) Epizootic Ulcerative Syndrome (EUS)
Provide your answer in a tabulated form.
c) Briefly describe the steps followed in **disinfection of water & equipment** used in aquaculture farms.
7. Briefly discuss the factors/concerns that affect the **safety of aquaculture products**.