



SLIATE

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Higher National Diploma in Technology (Agriculture)

Second Year, Second Semester Examination - 2016

AG 2206: Aquaculture

Instructions for Candidates:

The question paper contains part I and Part II

Answer all questions in Part I.

Answer only three questions in Part II.

No of questions : 06

No of pages : 03

Time: **Two (02) hours**

PART – I

Question 01. (Total 12.5 marks).

(i) Name three (03) different types of exotic fresh water table fish in Sri Lanka?

- a)
- b)
- c)

(1.5 marks)

(ii) List out three (03) types of egg laying patterns of ornamental fish.

- a)
- b)
- c)

(03 marks)

(iii) Identify four (04) different culture systems of shrimp.

- a)
- b)
- c)
- d)

(04 marks)

(iv) Name two (02) ornamental fish breeding centers which come under NAQDA.

- a)
- b)

(04 marks)

Question 02 (Total 12.5 marks)

(i) Define the followings,

a). Fishery

(1.5 marks)

b). Aquaculture.....

(03 marks)

(ii) Give three (03) symptoms of white spot disease in ornamental fish.

a)
b)
c)

(03 marks)

(iii) List out five (05) practices involving in pre-stocking management of pond fish culture.

a)
b)
c)
d)
e)

(05 marks)

PART – II

Answer **three (03)** questions only.

Question 03 (Total 25 marks)

- (i) List five (05) different live fish feeds used in aquaculture. (05 marks)
- (ii) Explain the importance of aquaculture in relation to Sri Lanka. (10 marks)
- (iii) List ten (10) factors that are affecting effective marketing of ornamental fish. (10 marks)

Question 04 (Total 25 marks).

- (i) What are the roles of aquatic plants in an aquarium? (05 marks)
- (ii) Describe the optimum water quality requirements for shrimp farming. (10 marks)
- (iii) Identify major constraints in ornamental fish farming. (10 marks)

Question 05 (Total 25 marks).

- (i) Identify major features of semi-intensive system of shrimp farming in Sri Lanka. (10marks)
- (ii) Explain the hypophysation technique in fish breeding. (15marks)

Question 06 (Total 25 marks).

Write short notes on followings

- (i) Brood stock management of shrimp (05 marks)
- (ii) Sex determination of gold fish. (10 marks)
- (iii) Stocking of rearing ponds in table fish farming. (10 marks)