



**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 - 2015  
AG 2206: Aquaculture**

**Instructions for Candidates:**

The question paper contains part I and Part II  
Answer all the 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.**

(i) Name three (03) different types of waters in which aquaculture are done.

- a) .....
- b) .....
- c) .....

**(1.5 marks)**

(ii) List out three (03) examples for live-bearing fish types in ornamental fish culture.

- a) .....
- b) .....
- c) .....

**(03 marks)**

(iii) Identify four (04) aquaculture practices in fresh water in Sri Lanka.

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

**(04 marks)**

(iv) Name four (04) major areas in north western province that shrimp farming is practiced.

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

**(04 marks)**

**[Total 12.5marks]**

**Question 02.**

(i) Define the followings.

a). Lacustrine fish .....  
.....  
.....

**(1.25marks)**

b). Riverine fish.....  
.....  
.....

**(1.25marks)**

(ii) Give three (03) important features of female brooder of carp in table fish culture.

a) .....  
b) .....  
c) .....

**(03 marks)**

(iii) Give three (03) reasons for selecting exotic carps for aquaculture?

a) .....  
b) .....  
c) .....

**(03 marks)**

(v) List out four (04) parameters of chemical quality of water in aquaculture.

a) .....  
b) .....  
c) .....  
d) .....

**(04 marks)**

**[Total 12.5marks]**

## PART – II

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

### Question 03.

- (i) Identify the activities of ornamental fish breeding and training centers in Sri Lanka. (05 marks)
- (ii) Explain the importance of fish as a source of food in relation to Sri Lanka. (10 marks)
- (iii) What are the causes of fish diseases in ornamental fish farming? (10Marks)

[Total 25 marks]

### Question 04.

- (i) What are the advantages of polyculture system in aquaculture? (05 marks)
- (ii) What are the important characters should be considered in selection of suitable fish for pond fish culture? (10marks)
- (iii) List out ten (10) different breeds of gold fish in ornamental fish farming. (10 marks)

[Total 25 marks]

### Question 05.

- (i) Identify the major steps of induced fish breeding? (05 marks)
- (ii) What are the major features of intensive system of shrimp farming? (10marks)
- (iii) Explain eyestalk ablation process in shrimp culture. (10marks)

[Total 25 marks]

### Question 06. Write short notes on followings

- (i) Basics of successful fish feeding in ornamental fish culture. (05 marks)
- (ii) Potential for development of shrimp culture in Sri Lanka. (10 marks)
- (iii) Common control measures of fish diseases in an aquarium. (10 marks)

[Total 25 marks]