

RAJARATA UNIVERSITY OF SRI LANKA FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
Third Year - Semester I Examination –November/December 2016

ZOO 3204 - FISHERIES AND AQUACULTURE

Time: Two (02) hours

Answer any four (04) questions.

Illustrate your answers with suitable diagrams where appropriate.

- 1. The production of fish fingerlings from the government sector is insufficient to meet the demand of fisheries societies in the North Central Province. Therefore, the North Central Provincial Council decided to purchase fingerlings from private fish farmers. Fisheries extension officers have instructed the private aquaculture farmers to construct the mud ponds to grow fingerlings and they promised to provide fish post larvae from the government fish breeding stations at a concession rate.
 - a) What are the main factors that collectively contribute to make a good site for pond construction for table-fish production? (02 marks)
 - b) Briefly describe the above mentioned factors.

(06 marks)

c) Explain all the important steps that should be followed in preparation of a newly constructed mud pond for stocking of fish.

(17 marks)

(16 marks)

(09 marks)

(15 marks)

(10marks)

(05 marks)

(20 marks)

- 5. Write short notes on any <u>four (04)</u> of the following. (25 marks each)
 - a) impacts of bottom trawling
 - b) sea cucumber fishery in Sri Lanka
 - c) trammel net
 - d) advantages of cage culture
 - e) village seasonal tanks