

Uva Wellassa University of Sri Lanka
Faculty of Animal Science & Export Agriculture

BSc in Aquatic Resources Technology Degree Programme
Year II Semester II
End Semester Examination - January / February 2016

AQT 224-2 Farm Designing and Construction
Section II (Essay)



Instructions

Answer **02 questions** in booklets provided.

No. of questions : Four (04)

No. of pages : One (01)

Time : One hour (1 hr)

Total marks allocated : 60%

01. You have been asked to construct a pond farm with 10 grow out ponds and a hatchery at a certain site at Monaragala DS division in Monaragala district. This site is an abandoned flat land having surface area of 06 Acres. Soil type is clay loam and top soil layer contains a high amount of organic matters. This area is somewhat dry and low annual rain fall can be observed. Water can be obtained by gravity flow to the farm continuously from a nearby perennial tank.

I. **Briefly describe** major steps of designing a pond farm with illustrations, based on the information given. (40 marks)

II. **Briefly describe** inlet and outlet types that should be installed in this pond farm and installation procedures. (20 marks)

02. "Cage culture farms have several advantages compared to the pond culture farms" **critically evaluate this statement.** (60 marks)

03. Write short notes on **two (02)** of the following (**limit the answer to 150 words for each**)

I. Site selection for cage culture

II. Cage designing

III. Advantages of drainable pond in coastal aquaculture system to obtain better performance of the cultured species. (60 marks)

04. "Initial planning is the base of success of any type aquaculture farm" **Justify** the given statement. (60 marks)

[End of Section II]

Page 1 of 1