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

Aquatic Resources Technology Degree Programmes

Year III Semester I
End semester examination- January/February 2016

AQT 352-2 Fishing Gear Technology
Section II (Essay)

Instructions:
Answer all questions in section II in the given booklet
No. of questions : Two (02)
No. of pages : One (01)
Time : One hour (01 hr)
Total marks allocated : 60%

1. I. Describe how to convert a passive gill net into an active and more efficient fishing gear with appropriate diagrams.

(40 marks)

II. You are provided with 2000 kg weighing nylon net piece for net webbing, iron rings weighing 1000 kg, Lead sinkers weighing 200 kg, along with Kuralon pieces of 50 kg and 1000 kg for salvage and ropes. Calculate how many 6 kg floats are required to construct above gill net. specific gravities of Nylon, Iron, Lead and Kuralon are 1.14, 7.86, 11.34 and 0.96, respectively.

Sinking Power = $\bar{W}$ = W (1- 1/c) and
Floating power = $\bar{W}$ = W (1/c - 1)
where,
$\bar{W}$ = weight of the items when it is in water,
W = weight of the items when it is on land and
c = specific gravity of that item.

(20 marks)

2. Write short notes on any **three (03)** of the following.

I Indigenous fishing knowledge worldwide

II. Single Species Multi-gear Issue

III Impacts of By catch issue and remedial actions

IV. Environmental Impacts of trawl gear

(60 marks)

[End of Section II]

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