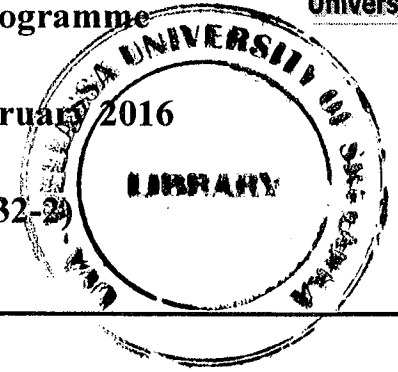


Uva Wellassa University of Sri Lanka
Faculty of Animal Science & Export Agriculture



Uva Wellassa
University

Aquatic Resources Technology Degree Programme
Year II Semester II
End Semester Examination – January/ February 2016



Water Quality Management (AQT 232-2)
Section II (Essay)

Instructions

Answer **all** questions in Section I in given space.

No. of questions : Two (02)
No. of pages : Two (02)
Time : One hour (1hr)
Total marks allocated : 60%

1. Some important water quality parameters of two sites in Uva Province are given below.

Parameter	Site 1	Site 2
DO (mg/ L)	6.0	12.3
BOD (mg/ L)	6.3	1.2
COD (mg/ L)	5.6	0.8
Chlorophyll content (mg/ L)	15	3.5
Total Faecal Coliform (MPN)	25	156
May flies / m ²	04	40
Stone flies / m ²	06	30
Elmidae larvae / m ² /	18	42
Caddis flies / m ²	12	58
Chironomid larvae / m ²	72	02

- I. Calculate EPT Index value.
 - II. Compare water quality of given sites using appropriate data.
 - III. Briefly describe on water pollution.
-
2. Write an essay on Interrelations of physical chemical and biological parameters of water and their management in a sustainable aquaculture system.

[End of Section II]