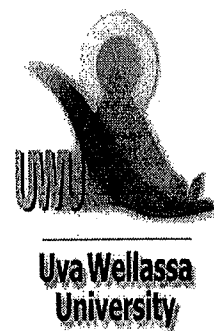


Uva Wellassa University
Faculty of Animal Science & Export Agriculture

B.Sc in Export Agriculture
Year II Semester II
End Semester Examination – June/July 2010



Advanced Agricultural Microbiology (EAG – 212-2)

Instructions

Answer four (4) questions.

No. of questions : Five (05)
 No. of pages : One (01)
 Time : Two hours (2 hours)
 Total marks allocated : 100%

- 1.1 Food is considered as a good medium for the growth of microorganisms. Explain.
- 1.2 What are the factors that affect the growth of microorganisms in food? . Explain how you arrest microbial spoilage of food by manipulating the factors.
- 2.1 What is mineralization.?
- 2.2 Discuss the role of microorganisms in the degradation of organic materials .
3. What are the types of interactions found in soil microorganisms. How do you manipulate the beneficial interactions for the benefit of agriculture. Give examples.
4. Write short notes on any two (2) of the following
 - a) Vesicular arbuscular (VA) mycorrhiza
 - b) Rhizosphere engineering
 - c) Associative nitrogen fixation.
5. What is “value addition”? How do you use your Microbiological knowledge and skills to add value to Agricultural resources in Sri Lanka. Explain giving examples.