



**Uva Wellassa University
BSc in Export Agriculture
BSc in Tea Technology & Value Addition**

**End Semester Examination – August/September 2011
Year 1 Semester II**



Irrigation and Water Management (EAG 131-2)

Instructions

Answer **all** questions

No. of questions : Four (04)

No. of pages : Five (05)

Time : One hour

Total marks allocated : 50%

Index No:

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Part III – Essay

Question 01

- I. Briefly discuss the problems arise in the irrigation & water management in the dry zone of Sri Lanka. (10 marks)
- II. Critically discuss the advantages & disadvantages of sprinkler & drip methods of irrigation. (10 marks)
- III. How does a drainage system help in preventing the water logging condition & the salinity problem? (10 marks)

Question 02

- I. "A proper irrigation scheduling helps farmers to get the best answers for the two major problems, which they face in any irrigation effort". Comment on this. (10 marks)
- II. The data obtained during a can experiment (using 20 cans) are as follows.

Can No.	Collected water (cm)	Can No.	Collected water (cm)
1	10.5	11	10.0
2	11.0	12	11.5
3	12.5	13	12.0
4	9.0	14	9.5
5	10.5	15	10.0
6	8.0	16	8.5
7	10.0	17	10.5
8	9.5	18	9.5
9	8.0	19	8.5
10	7.0	20	7.0

Calculate,

- a) Pattern Efficiency (10 marks)
- b) Uniformity co-efficient (10 marks)