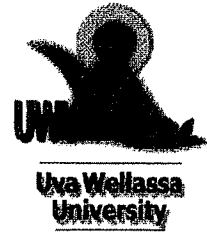




Uva Wellassa University
Faculty of Animal Science & Export Agriculture
BSc in Palm and Latex Technology & Value Addition



End Semester Examination – Sep/Oct 2014
Year II Semester I

Water Management Technology - PLT 232-2

Instructions

Answer **all** questions

No. of questions : Three (03)

No. of pages : Two (02)

Time : One (01) hour

Total marks allocated : 40%

Index No:

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PART III – Essay

Question 01

Write short notes on,

(40 marks)

- I. Soil water types
- II. Soil moisture constants
- III. Four (04) phases of surface irrigation
- IV. Ideal wetting patterns of furrow and sprinkler methods of irrigation

Question 02

- I. Briefly discuss three (03) types of runoff with regard to water management in agriculture. (20 marks)
- II. Briefly discuss the importance of water management in coconut cultivation.

(20 marks)

Question 03

Determine the uniformity co-efficient of a sprinkler head operated for 30 minutes during a practical resulted with following 24 gauges having a similar diameter of 14 cm. (40 marks) .

Gauge No.	Collected water amount (mL)
1	540
2	360
3	545
4	464
5	530
6	522
7	486
8	440
9	520
10	380
11	370
12	462
13	410
14	526
15	478
16	466
17	474
18	528
19	340
20	350
21	360
22	470
23	462
24	510