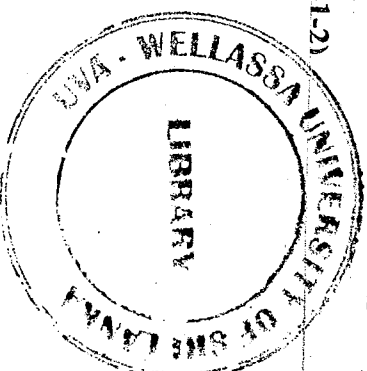




Part III – Essay



Question 01

- I. "Proper scheduling of irrigation should be an essential part of any irrigation system".
Comment on this. (10 marks)
- II. Briefly discuss the wetting patterns of different irrigation methods. What are the relevant factors which should be considered in each method to obtain a uniform distribution of water over the land. (10 marks)

Question 02

The data obtained during a Can experiment (using 24 Cans) conducted are as follows.

Can No.	Collected water (cm)	Can No.	Collected water (cm)
1	10.0	13	10.0
2	11.0	14	11.0
3	12.0	15	12.0
4	9.0	16	9.0
5	10.0	17	10.0
6	8.0	18	8.0
7	10.0	19	10.0
8	9.0	20	9.0
9	8.0	21	8.0
10	7.0	22	7.0
11	11.0	23	11.0
12	10.0	24	10.0

Calculate,

- a) Average depth of catch (05 marks)
- b) Minimum depth of catch (05 marks)
- c) Pattern Efficiency (05 marks)
- d) Uniformity co-efficient (05 marks)