



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 with the relevant factors which should be considered in each method to obtain uniform distribution of water over the target area of 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

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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)