

## **WLM- 122**

### **ADVANCE TECHNIQUES IN WATER APPLICATION**

**Objective:** - The water conveyance and applications play significant role in Water and Land Resource Management. The knowledge of designing and setting advance irrigations techniques will help in the optimum water utilization.

1. Greenhouse Technology: Introduction, Types, merits, demerits Management of Greenhouse, Installation & Operation.
2. Drip Irrigation: Advantages, Introduction, Merits and Demerits, Types, Components, their types, planning & Design.
3. Sprinkler Irrigation: Introduction, Types, Merits & Demerits, and planning & Design. (Concepts & use of ready reckoners for selection & estimation)
4. Govt. Policies & incentives to promote Advance techniques in irrigation.

### **Readings:**

1. Drip Irrigation by Holsambre D.G.
2. ICID handbooks
3. Drip Irrigations by Shivappan
4. Greenhouse Technology