

WLM- 235

SERVICE COURSE

INTEGRATED WATER RESOURCES MANAGEMENT

1. Water wealth Availability, statistics, surface & ground water resources
2. Hydrologic cycle, types of precipitation, Forms of Precipitation, Runoff, types of Runoff, factors affecting runoff, measurement of runoff, types of rainguages
3. Water measurement: - static & dynamic methods, formulae'
4. Vertical distribution of ground water, ground water regions in India, Methods of ground, water recharge, types of tube well.
5. Methods of irrigation, advanced techniques of irrigation, Advantages & Disadvantages components, Drip design.
6. Concept of watershed, types of watershed, components, principles & objectives of watershed management, steps in watershed planning.
7. Water Harvesting methods
8. Drinking water Management, purpose of water, demand & supply management'