

Syllabus: Water Resource Management

Course Content

- Introduction — Scope and advantages of Groundwater- Aquifer- Infiltration - Water table — forms of water.
- Hydrologic cycle- sources of Groundwater- Origin and occurrence of groundwater. Water conservation
- Water harvesting - Rainwater harvesting - Groundwater harvesting methods of harvesting-Rural and Urban. Drip irrigation. Water-wise habits
- Water Quality — standards of water for different uses- Drinking purposes Irrigation purposes Industrial purposes
- Water Pollution- Introduction- Types of pollution- controlling methods

References:

1. Water Resources Engineering by Larry W. Mays
2. Water: The Epic Struggle for Wealth, Power, and Civilization by Steven Solomon
3. Water 4.0: The Past, Present, and Future of the World's Most Vital Resource by David Sedlak

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