

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Civil Engineering - NOC:Availability and Management of Groundwater Resources

Subject Co-ordinator - Prof. Prasoon Kumar Singh

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Hydrological cycle, Need for conservation of Groundwater Resources
- Lecture 2 - Hydrological cycle, Need for conservation of Groundwater Resources (Continued...)
- Lecture 3 - Hydrological cycle, Need for conservation of Groundwater Resources (Continued...)
- Lecture 4 - Hydrological cycle, Need for conservation of Groundwater Resources (Continued...)
- Lecture 5 - Hydrological cycle, Need for conservation of Groundwater Resources (Continued...)
- Lecture 6 - Geological formation as Aquifer
- Lecture 7 - Geological formation as Aquifer (Continued...)
- Lecture 8 - Geological formation as Aquifer (Continued...)
- Lecture 9 - Geological formation as Aquifer (Continued...)
- Lecture 10 - Introduction about Vadose and Saturated Zone
- Lecture 11 - Vadose and Saturated Zone (Continued...)
- Lecture 12 - Vadose and Saturated Zone (Continued...)
- Lecture 13 - Vadose and Saturated Zone (Continued...)
- Lecture 14 - Vadose and Saturated Zone (Continued...)
- Lecture 15 - Confined and Unconfined Aquifer and their parameters
- Lecture 16 - Confined and Unconfined Aquifer and their parameters (Continued...)
- Lecture 17 - Confined and Unconfined Aquifer and their Parameters (Continued...)
- Lecture 18 - Confined and Unconfined Aquifer and their Parameters (Continued...)
- Lecture 19 - Confined and Unconfined Aquifer and their parameters (Continued...)
- Lecture 20 - Porosity, Permeability, Transmissivity and Storage Coefficient
- Lecture 21 - Porosity, Permeability, Transmissivity and Storage Coefficient (Continued...)
- Lecture 22 - Porosity, Permeability, Transmissivity and Storage Coefficient (Continued...)
- Lecture 23 - Porosity, permeability, transmissivity and storage coefficient
- Lecture 24 - Porosity, permeability, transmissivity and storage coefficient (Continued...)
- Lecture 25 - Law of groundwater movement, Darcy's law and application (Continued...)
- Lecture 26 - Law of groundwater movement, Darcy's law and application (Continued...)
- Lecture 27 - Law of groundwater movement, Darcy's law and application (Continued...)
- Lecture 28 - Law of groundwater movement, Darcy's law and application (Continued...)
- Lecture 29 - Law of groundwater movement, Darcy's law and application (Continued...)

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- Lecture 30 - Estimation of Subsurface Runoff, Types of Wells, Well Hydraulics
- Lecture 31 - Estimation of Subsurface Runoff, Types of Wells, Well Hydraulics (Continued...)
- Lecture 32 - Estimation of Subsurface Runoff, Types of Wells, Well Hydraulics (Continued...)
- Lecture 33 - Estimation of Subsurface Runoff, Types of Wells, Well Hydraulics (Continued...)
- Lecture 34 - Estimation of Subsurface Runoff, Types of Wells, Well Hydraulics (Continued...)
- Lecture 35 - Measurement of rainfall, Index of wetness, Infiltration rate
- Lecture 36 - Measurement of rainfall, Index of wetness, Infiltration rate (Continued...)
- Lecture 37 - Measurement of rainfall, Index of wetness, Infiltration rate (Continued...)
- Lecture 38 - Measurement of rainfall, Index of wetness, Infiltration rate (Continued...)
- Lecture 39 - Measurement of rainfall, Index of wetness, Infiltration rate (Continued...)
- Lecture 40 - Estimation of Total Annual Replenishable Natural Groundwater Recharge
- Lecture 41 - Estimation of Total Annual Replenishable Natural Groundwater Recharge (Continued...)
- Lecture 42 - Estimation of Total Annual Replenishable Natural Groundwater Recharge (Continued...)
- Lecture 43 - Estimation of Total Annual Replenishable Natural Groundwater Recharge (Continued...)
- Lecture 44 - Estimation of Total Annual Replenishable Natural Groundwater Recharge (Continued...)
- Lecture 45 - Groundwater resources planning and management
- Lecture 46 - Groundwater Resources Planning and Management (Continued...)
- Lecture 47 - Groundwater Resources Planning and Management (Continued...)
- Lecture 48 - Groundwater Resources Planning and Management (Continued...)
- Lecture 49 - Groundwater Resources Planning and Management (Continued...)
- Lecture 50 - Rainwater Harvesting and Artificial Groundwater Recharge
- Lecture 51 - Rainwater Harvesting and Artificial Groundwater Recharge (Continued...)
- Lecture 52 - Rainwater Harvesting and Artificial Groundwater Recharge (Continued...)
- Lecture 53 - Rainwater Harvesting and Artificial Groundwater Recharge (Continued...)
- Lecture 54 - Rainwater Harvesting and Artificial Groundwater Recharge (Continued...)
- Lecture 55 - Impact of climate change on water resources
- Lecture 56 - Impact of climate change on water resources (Continued...)
- Lecture 57 - Impact of climate change on water resources (Continued...)
- Lecture 58 - Impact of climate change on water resources (Continued...)
- Lecture 59 - Impact of climate change on water resources (Continued...)
- Lecture 60 - Impact of climate change on water resources (Continued...)