

Topic	Sub Topic
Water Resources Engineering	Basics of water Resources Engineering
Water logging	Reclamation of water logged areas
Water logging	Subsurface drainage
Surveying	Principles of surveying
Triangulation Survey	Triangulation Survey
Angle Measurement	Compass Surveying
Angle Measurement	Local attraction
Distance Measurement	Chain surveying
Errors	Error and their adjustment
Maps	Types of scale
Photogrammetry	Photogrammetry basics
Remote sensing and GIS	Basics of remote sensing
Total station	Basics of total station
Traversing	Transit vernier theodolite
Trigonometric Levelling	Tacheometry
Types of curves	Circular Curve
Types of curves	Simple circular curve
Types of curves	Transition Curve
Types of curves	Vertical Curve
Levelling	Types of levels
Levelling	Uses of contour map
Levelling	Methods of levelling
Levelling	Types of levelling staff
Classification of soils	Soil classification system
Compaction of soils	Basics of Compaction
Compressibility and consolidation	Consolidation
Seepage through soils	Flow nets
Seepage through soils	Protective filters
Seepage through soils	Two dimensional flow
Shear strength of soils	Concept of shear strength
Shear strength of soils	Measurement of shear strength
Shear strength of soils	Shear strength of soils
Soil formation	Mechanical properties of soil
Soil Phase system	Index properties of soil
Soil Phase system	Three phase soil system
Airport Engineering	Airport planning
Airport Engineering	Airport surveys
Airport Engineering	Runway design
Airport Engineering	Taxiway design
Highway development and planning	Development of roads

Highway development and planning	Highway Alignment
Highway development and planning	Highway Geometric design
Principles of railway Engineering	Railway geometric design
Traffic Engineering	Design of highway pavements
Traffic Engineering	Features of highway construction
Traffic Engineering	Highway construction materials
Traffic Engineering	Highway drainage
Traffic Engineering	Highway maintenance
Traffic Engineering	Highway Traffic Engineering
Abstractions from precipitation	Evaporation
Abstractions from precipitation	Evapotranspiration
Abstractions from precipitation	Transpiration
Flood Routing	Variations of flood wave
Frequency analysis of point rainfall	Flood frequency analysis
Frequency analysis of point rainfall	Probability and Frequency of point rainfall
Hydrograph	Basics of Hydrograph
Well Hydraulics	Groundwater
Well Hydraulics	Well hydraulics
Runoff	Basics of Runoff
Stream flow measurement	River gauging
Canal irrigation system	Canal irrigation basics
Canal irrigation system	Irrigation system basics
Canal regulatory works - outlets	Canal regulatory works
Canal regulatory works - outlets	Out lets
Dams	Earthen dams
Dams	General principles of dams
Dams	Gravity dam
Design of Canals	Design of Lined Canals
Design of Canals	Unlined channels in Alluvial Soils
Diversion head works	Diversion head works
Irrigation water	Quality of Irrigation water