

Satluj Jal Vidyut Nigam Limited (SJVNL) Syllabus

SJVN Executive Trainee Syllabus - Civil

- The flow of Fluids, Hydraulic Machines and Hydro Power
- Fluid Mechanics, Open Channel Flow, Pipe Flow
- Hydraulic Machines and Hydropower
- Hydrology and Water Resources Engineering
- Environmental Engineering
- Water Supply Engineering
- Building Materials
- Structural Analysis
- Design of Steel Structures
- Design of Concrete and Masonry structures
- Construction Practice
- Planning and Management
- Waste Water Engineering
- Solid Mechanics
- Solid Waste Management
- Air, Noise pollution, and Ecology
- Geotechnical Engineering and Foundation Engineering
- Surveying and Geology
- Transportation Engineering
- Highways
- Tunneling
- Railways Systems
- Harbors
- Airports

Satluj Jal Vidyut Nigam Limited (SJVNL) Mechanical Syllabus

- Engineering Mechanics
- Engineering Materials
- Mechanisms and Machines
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning
- Turbo Machinery
- Thermodynamics and Heat transfer
- Power Plant Engineering
- Renewable Sources of Energy
- Design of Machine Elements
- Manufacturing
- Industrial and Maintenance Engineering
- Mechatronics and Robotics

www.sjvn.nic.in Executive Trainee Electrical Syllabus

- Analog and Digital Electronics

Satluj Jal Vidyut Nigam Limited (SJVNL) Syllabus

- Systems and Signal Processing
- Control Systems
- Electrical Machines
- Electrical and Electronic Measurements
- Engineering Mathematics
- Electric Circuits and Fields
- Computer Fundamentals
- Basic Electronics Engineering
- Electrical Materials
- Power Systems
- Power Electronics and Drives

सतलुज जल विद्युत निगम लिमिटेड Environment Syllabus

- BioDiversity
- Water Resource Degradation
- Climate Change and Environment
- Environment and Urbanization
- Mining and Environment
- Agriculture and Environment
- Renewable Energy
- Environmental impact assessment
- The concept of Sustainable Development

SJVN Executive Trainee Syllabus - IT

- Computer Networks
- Databases
- Theory of Computation
- Operating System
- Programming and Data Structures
- Web Technologies
- Compiler Design
- Digital Logic
- Algorithms
- Computer Organization and Architecture
- Information Systems and Software Engineering

Satluj Jal Vidyut Nigam Limited (SJVNL) Electronics & Communication Syllabus

- Analog and Digital Communication Systems
- Control Systems
- Computer Organization and Architecture
- Electro Magnetics
- Advanced Electronics Topics
- Basic Electrical Engineering
- Materials Science

Satluj Jal Vidyut Nigam Limited (SJVNL) Syllabus

- Advanced Communication Topics
- Basic Electronics Engineering
- Electronic Measurements and Instrumentation
- Network Theory
- Analog and Digital Circuits

www.sjvn.nic.in Executive Trainee Law Syllabus

- Adoption, Custody, and Parentage.
- Aeronautics and Space.
- Armed Forces.
- Banking and Finance.
- Constitutional Issues.
- Crime and Law Enforcement.
- Education, Family, and Children's Rights.
- Elections and Campaign Finance.

सतलुज जल विद्युत निगम लिमिटेड Aptitude Syllabus

- Line Charts
- Partnership
- Simple Interest
- A deriving conclusion from passage
- Table Charts
- Time and Distance
- Boats and Streams
- Passage correction
- Average
- Probability
- Races and Games
- Square Root and Cube Root
- Chain Rule
- Bar Charts
- Numbers
- Ratio and Proportion
- Volume and Surface Area
- Passage completion
- Problems on Numbers
- Banker's Discount
- Problems on H.C.F and L.C.M
- Problems on Ages
- Time and Work
- Sentence improvement
- Clock
- Surds and Indices
- Compound Interest
- Height and Distance

Satluj Jal Vidyut Nigam Limited (SJVNL) Syllabus

- Decimal Fraction
- Pipes and Cistern
- Stocks and Share
- Permutation and Combination
- Allegation or Mixture
- Simplification
- Logarithm
- Area
- Calendar