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SJVN Executive Trainee Civil Exam Syllabus 2019

- Civil Engineering Materials
- Bridge Engineering
- Hydrology
- The Strength of Materials
- Elements of Structural Analysis
- Elements of Geotechnical Engineering
- Surveying
- Bridge Superstructure
- Soil Mechanics
- Transportation Engineering
- Steel Structures
- Bridge Architecture etc
- Building Planning
- Valuation
- Hydraulic Structure
- Professional practice
- Transportation Engineer 1 & 2 (Road)
- Quantity Estimation
- Building Code
- Town Planning
- GIS
- Structural Analysis
- Soil Mechanics
- Engineering Mechanics
- Fluid Mechanics & Machinery
- Reinforced Concrete Structures
- The design of Structure

सतलुज जल विद्युत निगम लिमिटेड Mechanical Syllabus 2019

- Professional practice
- Transportation Engineer 1 & 2 (Road)
- Quantity Estimation
- Building Code

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- Town Planning
- GIS
- Soil Mechanics
- Transportation Engineering
- Steel Structures
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- The design of Structure

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- Non-conventional Energy sources like Wind, Solar, Biomass
- Measurement of Electrical Power
- Functions of capacitors & reactors
- Low Voltage constraint & resolving thereof
- Analysis of Dist Transformers, Meters & Testing
- Engineering topics
- Present Power Sector scenario in India and others Electrical
- Power Engineering
- Distribution Network Installation & load studies
- Switchgear & protection (MC/LV) & LT Switchgear design and testing
- Distribution HT/LT Line parameters
- Performance of line fault analysis
- Basic concepts
- Generation
- Circuit law
- Measurement and Measuring Instruments
- Electrical Machines
- Magnetic Circuit

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- AC Fundamentals
- Fractional Kilowatt Motors
- Single phase induction Motors
- Transmission and Distribution
- Utilization and Electrical Energy
- Electric Circuits
- Electrical Machines
- Power Systems
- Utilization & Control Systems
- Analog and Digital Electronics
- Power Electronics and Drives
- Synchronous Machines
- Estimation and Costing

SJVN Environment Exam Syllabus 2019

- Bio Diversity
- Water Resource Degradation
- Climate Change and Environment
- Environment and Urbanization
- Mining and Environment
- Environmental Hygiene
- Agriculture and Environment
- Renewable Energy
- Environmental Economics
- Environmental impact assessment
- Concept of Sustainable Development

SJVN Executive Trainee Syllabus 2019 - IT

- Compiler Design
- Digital Logic
- Algorithms
- Computer Organization and Architecture
- Information Systems and Software Engineering
- Computer Networks
- Databases

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- Theory of Computation
- Operating System
- Programming and Data Structures
- Web Technologies

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- Basics of Circuits and Measurement Systems
- Electrical and Electronic Measurements
- Analytical
- Control Systems
- Optical Instrumentation Analog and Digital Communication Systems
- Control Systems
- Computer Organization and Architecture
- Electro Magnetics
- Advanced Electronics Topics
- Basic Electrical Engineering
- Materials Science
- Advanced Communication Topics
- Basic Electronics Engineering
- Electronic Measurements and Instrumentation
- Network Theory
- Analog and Digital Circuits

SJVN Limited Syllabus 2019 - Aptitude

- Averages
- Indices and Surds
- Compound Interest
- Volumes
- Odd Man Out
- Quadratic Equations
- Probability
- Profit and Loss
- Simplification and Approximation
- Process Control
- Signals & Systems, and Communications

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- Time and Work Partnership
- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Time and Distance
- Problems on Trains
- Areas
- Races and Games
- Numbers and Ages
- Mixtures and Allegations
- Mensuration
- Permutations and Combinations
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Percentages
- Simple Equations
- Problems on Numbers

SJVN Executive Trainee Syllabus 2019 - Law

- Taxation Laws – Direct & Indirect
- Adoption
- Custody
- Crime and Law Enforcement
- Education, Family, and Children's Rights
- Elections and Campaign Finance
- Parentage
- Aeronautics and Space
- Armed Forces
- Banking and Finance
- Constitutional Issues

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