Uttarakhand Disaster Recovery Project (UDRP) Syllabus

UDRP Syllabus - English Language

- Substitution
- Sentence Arrangement
- Transformation
- Prepositions
- Fill in the blanks
- Para Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Antonyms
- Spelling Test
- Synonyms
- Idioms and Phrases
- Passage Completion
- Error Correction (Phrase in Bold)
- Spotting Errors
- Sentence Completion
- Active and Passive Voice
- Sentence Improvement

ukdisasterrecovery.in General Awareness Syllabus

- Indian History
- Indian Culture & Heritage
- Current Events – National & International
- Indian Polity
- Indian Constitution
- Science & Technology
- Indian Geography
- IT & Space etc
- Indian Economy

Uttarakhand Disaster Recovery Project (UDRP) Quantitative Aptitude Syllabus

- Profit and Loss.
- Simplification.
- Boats and Streams.
- Percentages.
- Problems on Ages.
- Simple Interest.
- H.C.F. and L.C.M. Discounts.

Uttarakhand Disaster Recovery Project (UDRP) Syllabus

- Number Systems.
- Data Interpretation.
- Average.
- Compound Interest.
- Time, Work, Distance.
- Ratio and Proportion.
- Fundamental Arithmetical operations

UDRP Syllabus - Reasoning

Verbal Reasoning

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding- Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Directions
- Test on Alphabets
- Eligibility Test

Non-Verbal Reasoning

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of squares and Triangles
- Series
- Analogy
- Analytical Reasoning
- Paper Folding

Uttarakhand Disaster Recovery Project (UDRP) Syllabus

- Paper Cutting
- Cubes and Dice
- Water Images
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection

ukdisasterrecovery.in Civil Engineering Syllabus

- 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

Uttarakhand Disaster Recovery Project (UDRP) Electrical Engineering Syllabus

- Analog and Digital Electronics
- Systems and Signal Processing
- Control Systems
- Electrical Machines
- Electrical and Electronic Measurements

Uttarakhand Disaster Recovery Project (UDRP) Syllabus

- Engineering Mathematics
- Electric Circuits and Fields
- Computer Fundamentals
- Basic Electronics Engineering
- Electrical Materials
- Power Systems
- Power Electronics and Drives

UDRP Geologist Syllabus

Origin, composition and internal structure of the earth

- A process of the formation of the solar system
- accumulation, heating, and differentiation of the earth
- composition and characteristics of the core, mantle, and crust
- seismic wave characteristics of the core, mantle, and crust

Geological time, relative dating and radiometric dating

- age of the earth
- rates of geological processes
- relative dates based on cross-cutting relationships
- general principles of radiometric techniques for dating rocks

Evolution of the theory of Plate Tectonics

- Alfred Wegener's theory and its reception in the early 20th century
- contributions of Hess, Vine-Matthews-Morely, and Wilson
- evidence in support of the theory, including mantle convection, magnetic polar wandering, ocean floor bathymetry, sea-floor magnetic patterns, mantle plumes, and the Hawaiian Islands

Plate Tectonics

- distribution and nature of the major plates and current plate motions
- geology of plate boundaries
- geological features and processes at spreading ridges
- geological features and processes at subduction zones
- the origin and nature of transform faults
- the plates of our region, their motion, and boundaries

Minerals

- what is a mineral? what is not a mineral?
- types of bonding in minerals

- mineral groups and their characteristics
- the arrangement of tetrahedra in silicate minerals
- ferromagnesian versus non-ferromagnesian silicates
- ways in which minerals can form

The Rock Cycle

how the rocks of the crust are continually being recycled through processes such as uplift, erosion, transportation, deposition, burial, lithification, metamorphosis, melting and cooling

Intrusive igneous rocks

- magma sources (mantle at spreading ridges, subduction, partial melting of crustal rocks)
- variations in magma compositions and evolution of magmas
- Bowen's reaction series (significance to magma crystallization and to partial melting)
- types of plutonic bodies (dikes, sills, stocks etc.)
- emplacement of plutons

Volcanoes and volcanic rocks

- magma sources (mantle at spreading ridges, subduction, mantle plumes)
- variations in magma characteristics (viscosity, gas content)
- types of volcanism (spreading ridge, mantle plume, subduction zone)
- types of volcanic rocks and deposits (lava, pyroclastic, lahar)
- the 1980 eruption at Mt. St. Helens
- volcanism in BC

Sedimentary rocks

- weathering, erosion transportation, deposition, lithification parts of the rock cycle
- clastic versus chemical sedimentary rocks
- continental versus marine sedimentary environments
- sedimentary structures (bedding, graded bedding, cross-bedding, ripples etc.)
- the Nanaimo Group (timing, depositional environment, rock types, deformation)

Metamorphic rocks

- agents of metamorphism (heat, pressure, water)
- regional versus contact metamorphism
- metamorphic textures (slaty cleavage, schistose, gneissic, marble etc)
- effects of different metamorphic grade on different protoliths

Earthquakes

- plate movement and elastic deformation

Uttarakhand Disaster Recovery Project (UDRP) Syllabus

- earthquakes and plate tectonics
- Richter magnitude and Mercalli intensity
- the significance of harmonic amplification and liquefaction
- earthquakes in B.C.
- the 1700 Juan de Fuca earthquake

Geology of British Columbia and Vancouver Island

- the passive margin of western North America from around 500 to around 200 m.y.
- accretion of the Intermontane Super Terrane and formation of the Rocky Mountains
- formation of the Coast Range Plutonic Complex
- steps in the development of the Insular Super Terrane (specifically the Wrangellia Terrane)
- accretion of the Wrangellia Terrane including
- deposition of the Nanaimo Group
- accretion of the Pacific Rim and Crescent Terranes and deformation of the existing rocks

Uttarakhand Disaster Recovery Project (UDRP) Accounts Syllabus

- Accounts of non-trading concerns
- Amalgamation
- Provision and Reserves and Accounting Standards in India
- Bills of Exchange
- Non-trading concerns
- Accounts from incomplete records
- Liquidation of Companies
- Partnership Accounts (including admission, retirement, death, and dissolution)
- Redemption of debentures
- Joint ventures
- Accounting process up to and including preparation of financial accounts
- Issues and forfeiture of Shares and Debentures
- Errors and their rectification
- Single entry
- Bonus shares and final accounts
- Company Account
- Absorption and re-construction
- Accounting Standards
- Consignment
- Bank Reconciliation Statement
- Branch Accounts
- Valuation of goodwill and shares and Ratio Analysis
- Basic concepts and conventions
- Depreciation

Uttarakhand Disaster Recovery Project (UDRP) Syllabus

- Final Statements of Accounts
- Life Insurance Companies Bank Accounts
- Hire Purchases Installment Systems
- Self Balancing Ledgers, Royalties
- Preparation of Trial Balance