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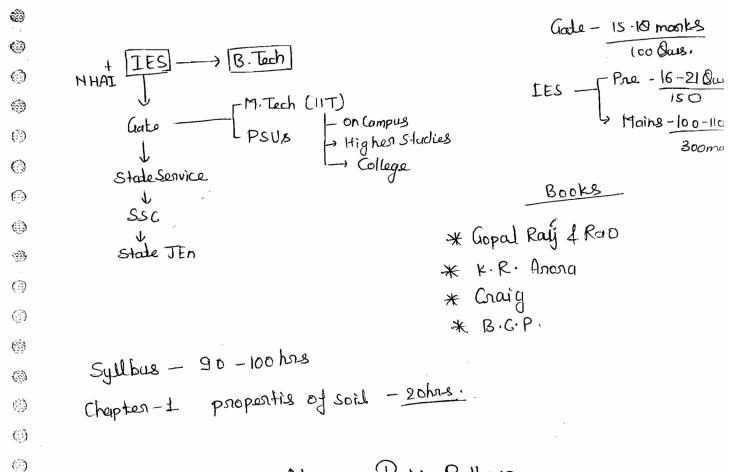
Best Quality Classroom Topper Hand Written Notes to Crack GATE, IES, PSU's & Other Government Competitive/ Entrance Exams

MADE EASY CIVIL ENGINEERING Soil Mechanics BY-Ram Sir

- Theory
- Explanation
- Derivation
- Example
- Shortcuts
- Previous Years Question With Solution

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NAME - Pinki Rothaus

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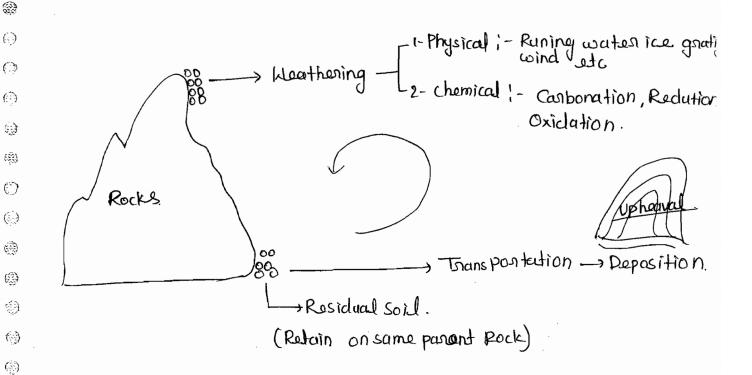
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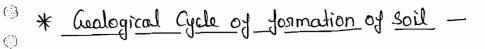
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Chapter-1 proporties of Soil.





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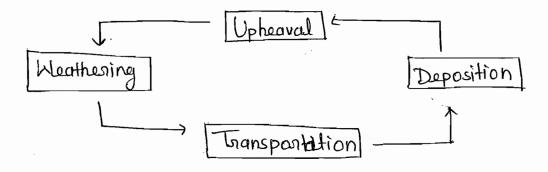
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- * Redogenesis : Process of formation of Soil
- * Father of Soil Mechanics ! Karl. Tenzaghi (Aoustria (ME)

Shimal toohadoon Glackers (ice)

Shimal toohadoon Jomountain (land slides) type of Soil Usosian 4 Himaloys Plade caushing Physically weathered soil -€ 0 Region Type of soil Agent 0 Riven basin 0 Transported Running water Alluvial soil Soil 0 Lakes, ponds itc Lacustoine Soil Fresh 4still woten € 3 - Marine Soil Marine region Sea Mater & Glacial Soil (Till) alaciers. Ice € 5- Calluvial (Talus) Conavity Mountain Valleys € C Wind Desert 6- Audian (Sand dumes) (7 - LOLES (Wind blown silt) Wind. Desert (_ When Laess become wet, it becomes Soft 4 (allapsible. Rain. Silt Sand Duma Process Leaching Hoavy Rain se silicon (sit is replace by Fe +2 Al + Residual 20% Bocalt isjisse soil ka coloul Red ho Jafah Black Most Cotton मंडाम निक्रीबार Soil (lakshy deep) Laterite

Bopal is Jake city mumber of channi

Jammu & Kashmin + freezing thowing

- Marine

Chemical Weathering Soil

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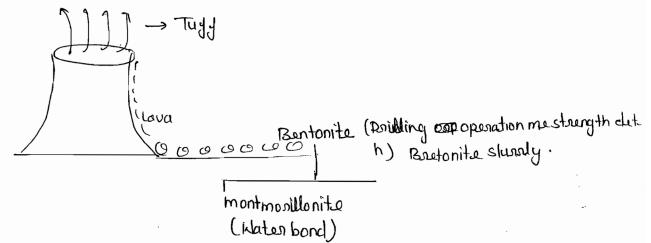
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- Marl ___, It is Fine grained Chalicum Carbonated soil
 marine origin, which is formed by chemical
 Decomposition of Agutic plants & animal bones.
- Bentonite soil _ It is chemically weathered Valaonic Ash-Generally used as Lubrication in drilling operation.

 It is clay containing high amount of montmonthonite hence
 It is shows high plasticty 4 high swelling of shrinkage
- · Tuff soil It is Valconic Ash The Transported by wind of water.



Black Cotton Soil - It is the residual soil formed from Basalt by chemical weathering. It contains high amount of montmonillonite clay mineral due to which it shows high plasticity, high swelling of shrinkage 4 Low shear strength.