

By- Rajat Sir

USE CODE Y293 FOR MAX. DISCOUNT

Adda247

BPM

Soil

SSC JE

RRB JE

JE/AE

By Rajat Singh

Day -01

By- Rajat Sir

USE CODE Y293 FOR MAX. DISCOUNT

Adda247

BILINGUAL

Batch Chanakya

For Civil

Complete Live Batch



Start Feb 6, 2023

10 AM to 11 PM

BILINGUAL



JKSSB JE

Civil 2.0 Selection Batch

Complete Live Batch

Start Jan 2, 2023

10 AM to 11 PM

BILINGUAL

Mission SSC JE 2023

Civil Engineering 3.0

Foundation of your Success



Start Jan 16, 2023

9 AM to 11 PM

BILINGUAL

SSC JE 2023 Foundation

Civil Engineering

नीव आपके सिलेक्शन का



Start Feb 13, 2023

9 AM to 11 PM

Y293

min.
=

Syllabus

10-15

Question

✓ ✓ Origin of soil, index properties, classification of soil → 4-5

✓ ✓ Permeability effective stress seepage analysis ✓ 2 3

✓ Compressibility compaction and consolidation ✓ 4-5

✓ Shear strength of soil and stress distribution ✓ 2-3

✓ Earth pressure theory ✓ 1-2

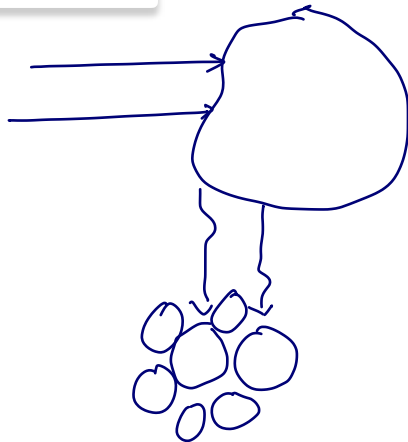
✓ Foundation engineering ✓ 1-2

Soil is formed due to physical weathering and chemical weathering of rock

Physical weathering

↳ Air, water
snow, ice
gravitation force

* mineral constituents
Remains unchanged.



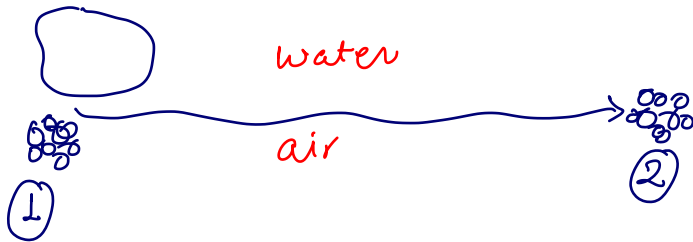
Chemical weathering :-

↳ oxidation, carbonation

decomposition, reduction

mineral constituents gets modified.

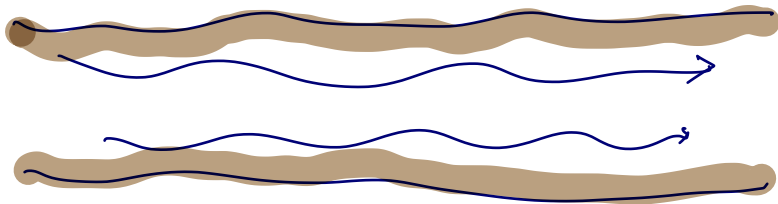
Transported soil and residual soil



Types

Alluvial soil →

Running water
✓ ✓



Lacustrine soil →

✓✓ freshwater of lakes
still water ✓✓

Residual soil

Aeolian Soil →

Tran. by wind ✓✓
air

Marine soil →

sea water

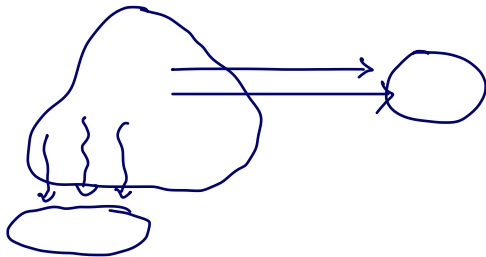
Transported

Glacial soil →

flowing ice
snow

Till

Drift



Colluvial Soil →

gravitational force
↳ Talus

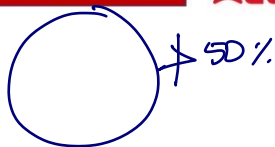
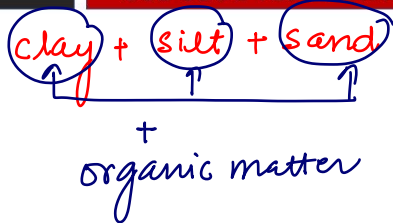
Loess Soil →

wind blown
silty soil

↓
montmorillonite
calcium compound

Loam Soil →

garden soil



Peat Soil →

highly organic soil.

- ↳ contains → org. compounds.
- ↳ chemical weathering.