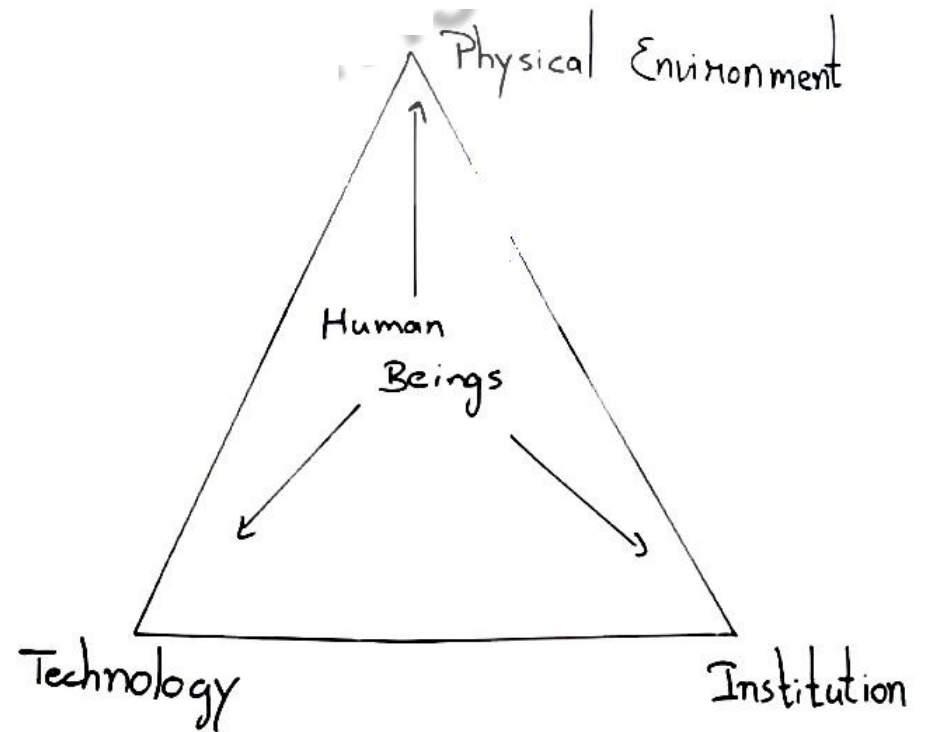
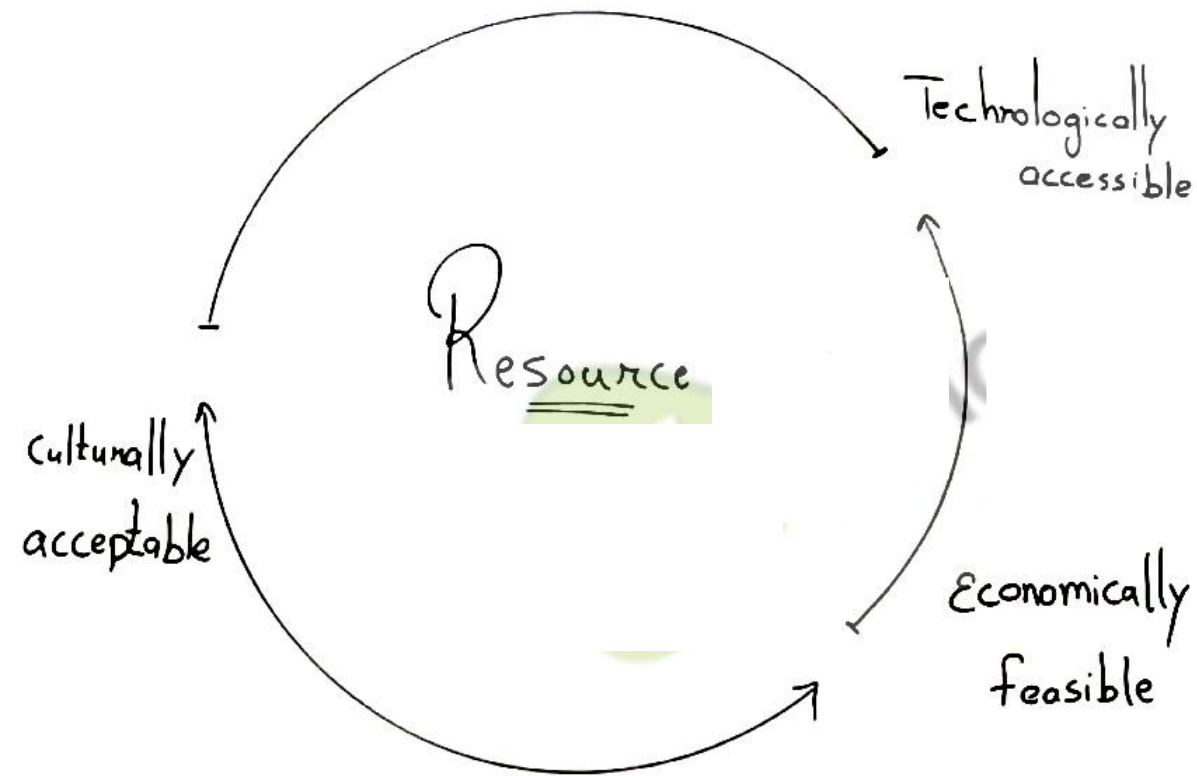


Class - X chapter - 1 [Geography]


✧ Resource and development



Class-X Chapter-1 [Geography]

* Classification of Resources

(a). On the basis of origin

- 
- (i) Biotic
ex: Plants, animals
 - (ii) Abiotic
ex: air, water

(b). On the basis of Exhaustibility

- (i) Renewable
ex: water
- (ii) Non Renewable
ex: Coal

* Resources and Development

(c). On the basis of ownership

Individual ex: [Your house]

Community ex: [Colony park]

National ex: [Territory of Country]

International ex: [International water]

Class-X chapter-1 [Geography]

* Resources and Development

(d) On the basis of status of development

	(i) <u>Potential</u>	(ii) <u>Developed</u>	(iii) <u>stock</u>	(iv) <u>Reserves</u>
availability of technology	✓	✓	✗	✓
Willingness to use	✓	✓	✓	✗
are we able to utilise it	✗	✓	✗	[Reserved for future use]
Example	Solar	petroleum	H ₂ O	water in Dams

Class - * Chapter - 1 [Geography]

* Resources and Development

* Development of Resources

Indiscriminate use → Problems??

- Greed = ↓ Depletion of Resources
 - Have and Have not's in Society
 - Global ecological Crises
- ⇒

* Sustainable Development *

↓
Rio de Janeiro,
Earth Summit, 1992

↓
Agenda 21

Class-X chapter-1 [Geography]

→ Agenda 21

* local government should draw it's local Agendas



* Combat environmental damage, poverty and disease

* Resources and Development

* Declaration Signed at Rio de Janeiro, 1992

* achieving global Sustainable development

Class-X chapter-1 [Geography]

* Resources and Development

* Resource planning

Q → Why do we need resource planning??

→ unequal and uneven distribution of resources

* → 3 step Resource planning ← *



• Identifying



• Planning structure



• overall development

* Conservation of Resources *

“There is enough for every body's need, but not for anybody's greed”

- Mahatma Gandhi

Class-X chapter-1 [Geography]

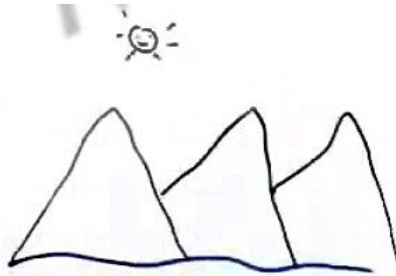
* Resources and Development

• Land Resources

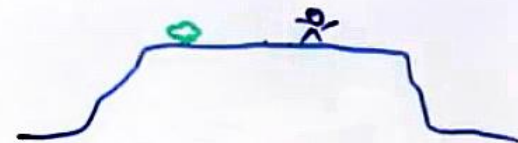
- use
- Limitation
- Distribution of Indian landmass



[Plain areas 43%]



[Mountains 30%]



[Plateau 27%]

Class-X Chapter-1 [Geography]

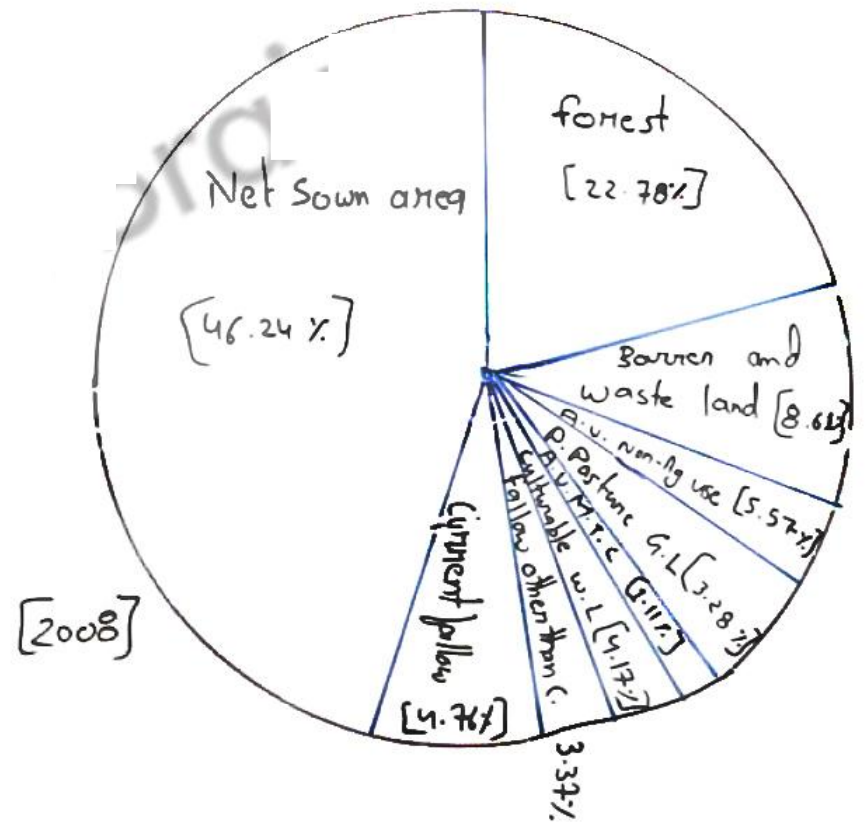
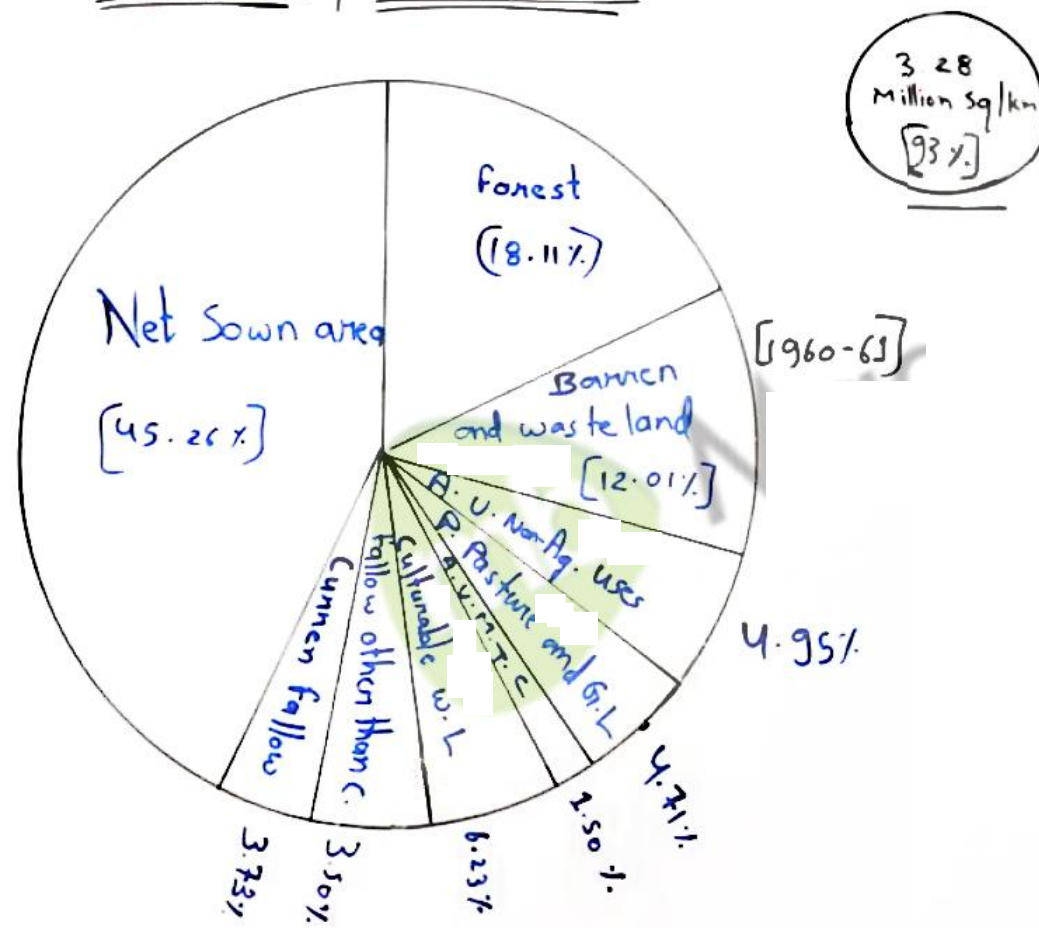
* Resources and Development

• Land utilisation

1. Forests
2. Land not available for cultivation
 - a. Barren and waste land
 - b. Land put to non-agricultural use : Road, Buildings
3. Other uncultivated land
 - a. Pastures and grazing land
 - b. Land under miscellaneous tree crops
4. Fallow land
 - a. Current fallow [1 or less than 1 year]
 - b. Other than Current fallow [1-5 years]
5. Net Sown area

Class-X ch-1 [Geography] • Resources and Development

• Land use pattern in India

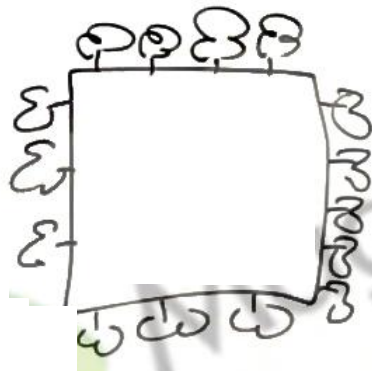


Class-X ch-1 (Geography) • Resources and Development

• Land Degradation and Conservation Measures

Causes

- Deforestation
- over grazing
- Mining
- over irrigation
- Mineral processing Industries



Measures

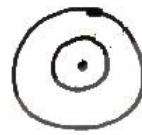
- Afforestation
- Management of grazing land
- Regulating Mining
- Drip irrigation, sprinklers
- plantation of shelter belts
Growing thorny bushes.

Class-X, ch-1 [Geography] · Resources and Development

• Soil as a resource

- Renewable natural resource
- Support plant growth and organisms

Ex: vegetation and life form
in different area.

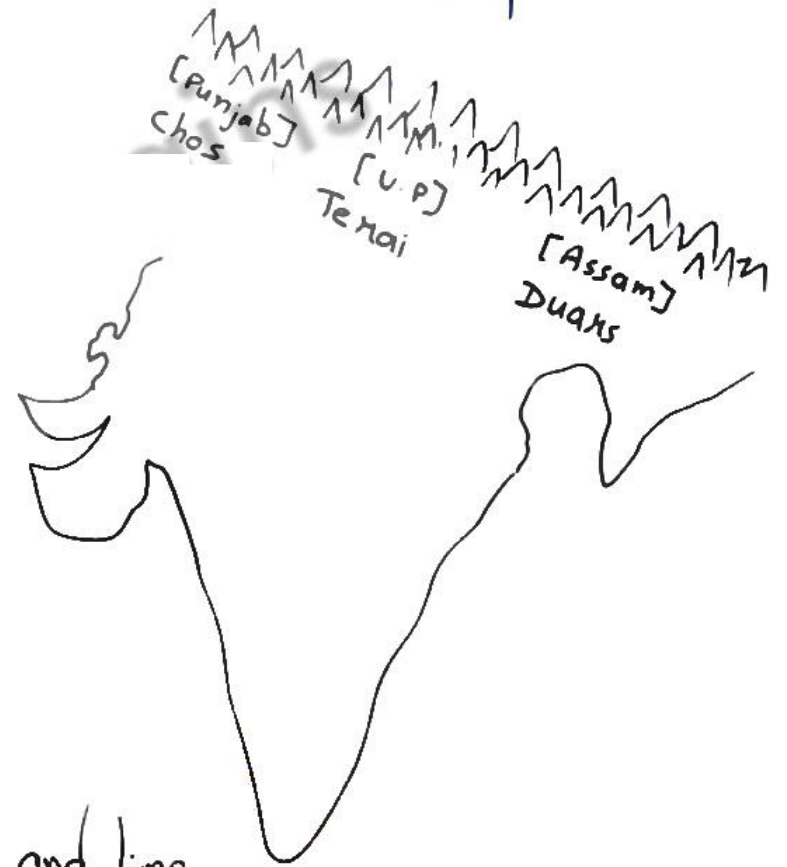


• Class-X, ch-1 [Geography] • Resources and Development

• Classification of Soils

(i) Alluvial Soil

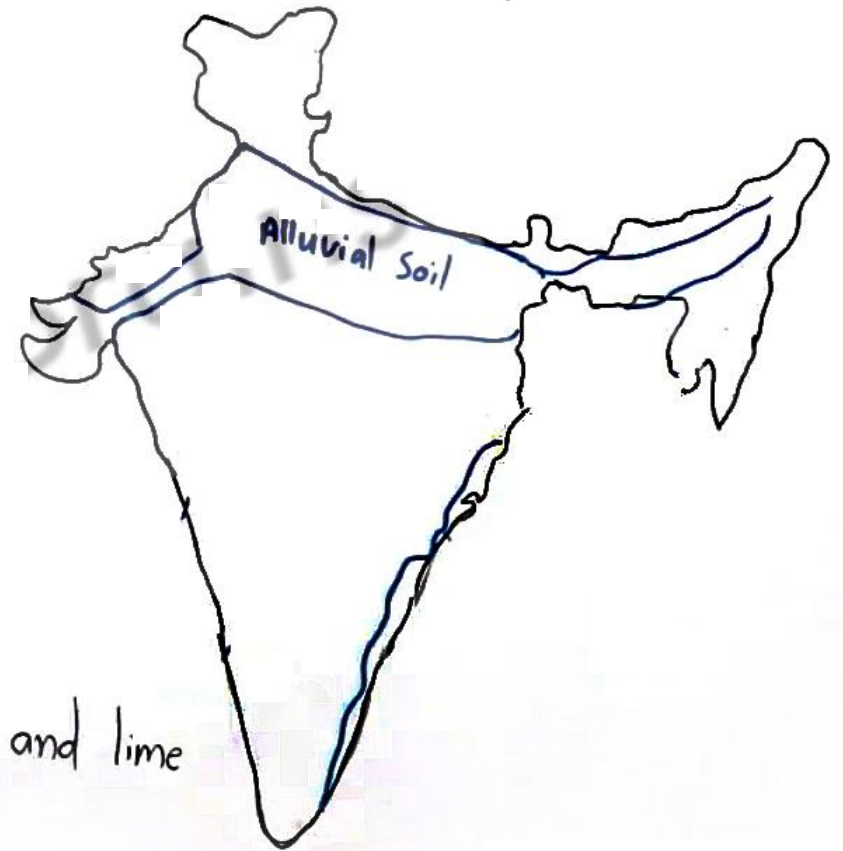
- formation a. Role of Himalayan rivers
- b. Role of Delta's
- Location = Northern plains and Coastal areas
- Duars, chos and terai in piedmont plains
- khadar and Bangar
- Content and Crops (a). Potash, phosphoric acid and lime
- (b). Sugarcane, paddy, wheat, Cereal and pulse crop



• Class-X, ch-1 [Geography] • Resources and Development

(ii). Black Soil

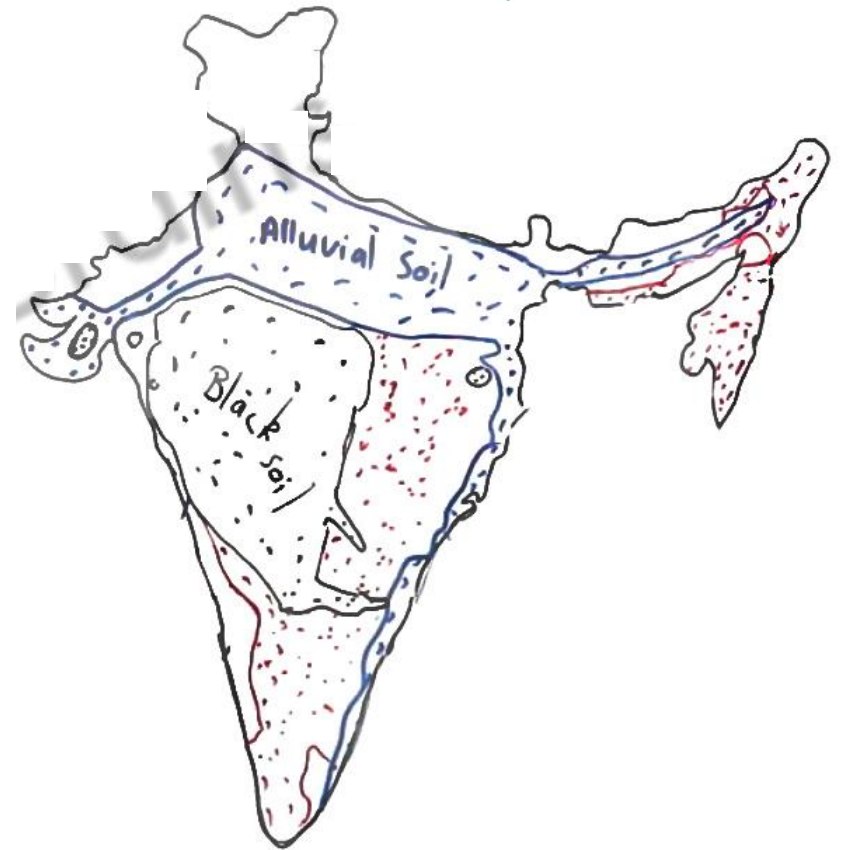
- Formation
 - (i). Climatic Condition and parent rock
 - (ii). Deccan trap made up of Basalt
- Location
 - (i). Plateaus of Maharashtra, Saurashtra, malwa, M.P and chhattisgarh
- Clayey nature, Hold water for long ~~ex~~: Dough
- Content and Crops
 - (i). Calcium Carbonate, magnesium, potash and lime
 - (ii). Cotton, Sugarcane



• [Class-X, ch-1 [Geography] • Resources and Development

(iii) Red and yellow soil

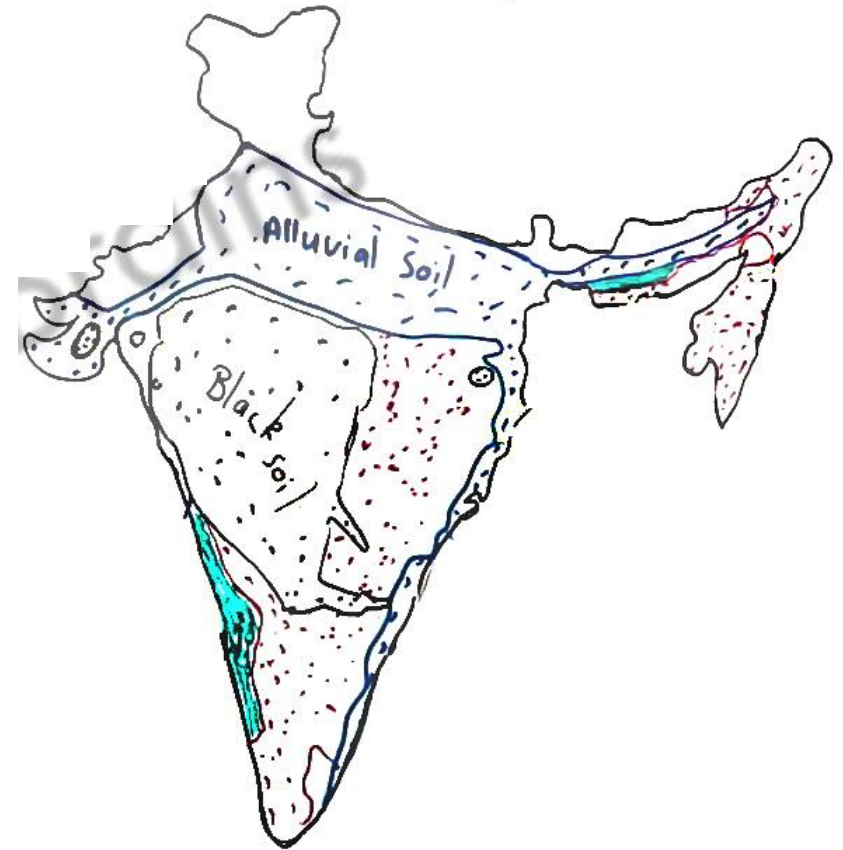
- Formation (i). Crystalline igneous rocks in areas of low rainfall
- Location (i) South eastern and Eastern part of our Country
- Reddish and yellow colour
- Content and Crops
 - (i) Igneous rock with iron
 - (ii) Plantation [Tea, Coffee and rubber]



• Class-X, ch-1 [Geography] • Resources and Development

(iv) Laterite Soil

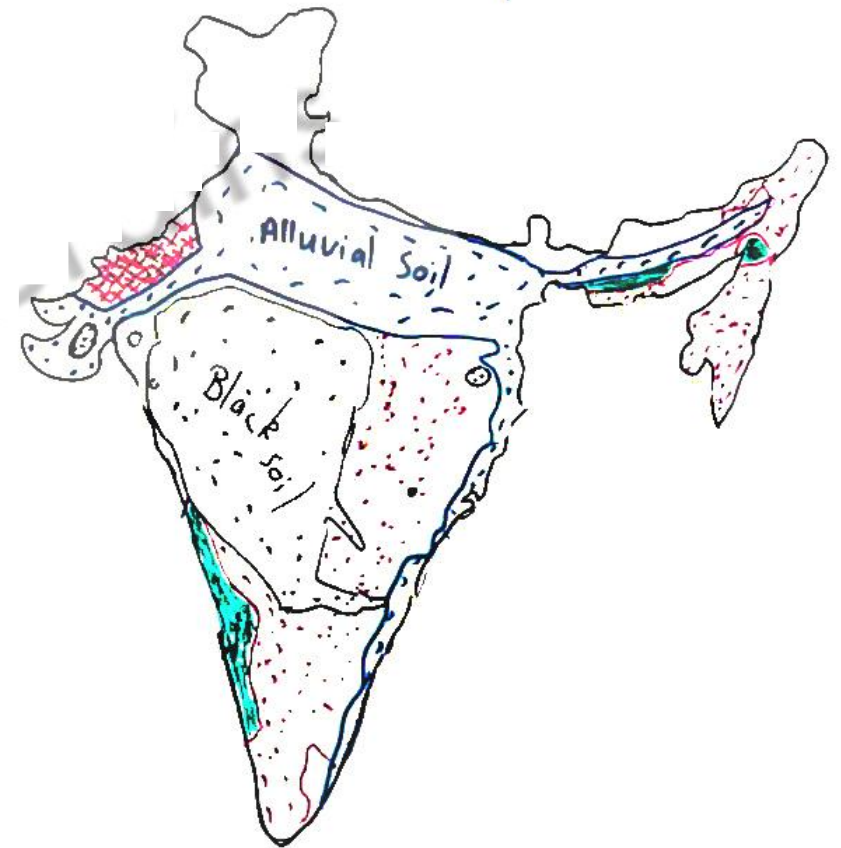
- formation (i) High temperature and Heavy rainfall
- Location (i) western ghats and north eastern states
- lacks Humus Content.
- Content and Crops
 - (i) One of various minerals
 - (ii) Plantation Crops



• Class-X, ch-1 [Geography] • Resources and Development

(v). Arid Soil

- Formation (i) High Temperature and Low rainfall
- Sand texture and Saline in nature
- Location (ii) North western part
- Presence of Konkan nodules
- Is it Cultivable
- Yes, but with proper irrigation and manner.

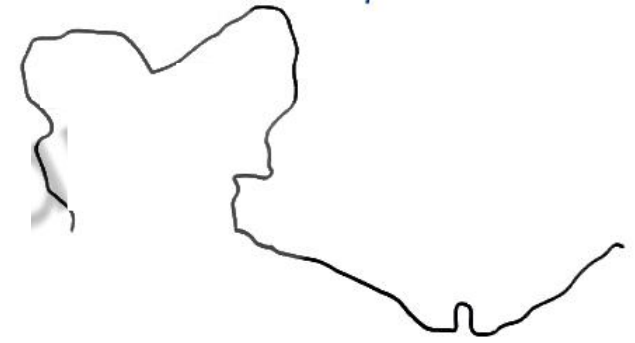
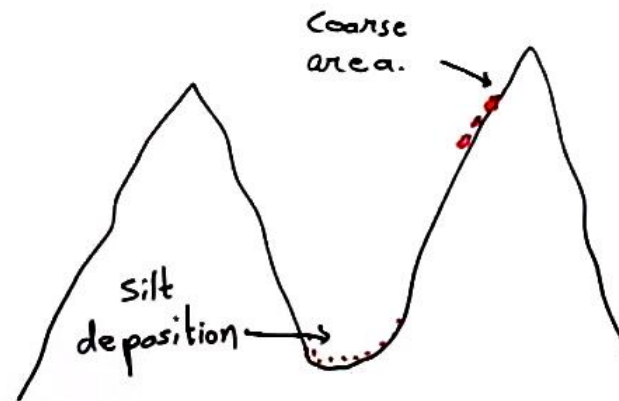


Class-X Ch-1 [Geography] · Resources and Development

(vi) Forest Soil

- Formation (i) Mechanical withering by snow, Rain and temperature
- Location (ii) Hilly areas [Kashmir to Arunachal]
- Fertility ??

→ Loamy and Silty in valley and Coarse grained in the upper slopes.



Class-X Ch-1 [Geography] · Resources and Development

• Soil Erosion and Soil Conservation

→ Define ??

→ The Denudation of the Soil Cover and subsequent washing down of soil is described as soil erosion.

• → Causes of Soil Erosion

- over-grazing, Construction, mining, defective farming method
- Natural factors [wind, glaciers and water]
- Gullies ÷ Deep channels developed in clayey soil due to running water.
- Ravines ÷ Bad land [unfit for cultivation] in Chambal region.
- Sheet erosion ÷ Washing off of top soil.

Class-X Ch-1 [Geography] · Resources and Development

- Soil Erosion and Soil Conservation

- Conservation Methods

(i). Contour ploughing



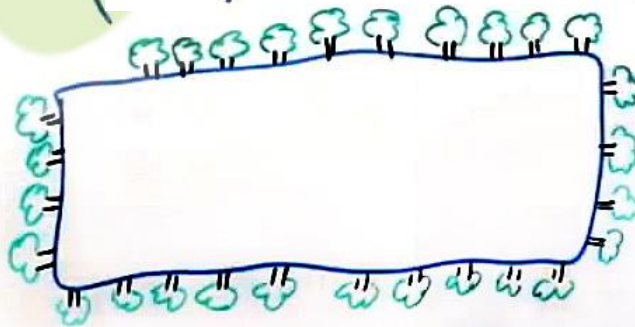
(ii). Terrace farming



(iii). Strip farming



(iv). Shelter Belts



(v). Others

Class-X Ch-1 [Geography] · Resources and Development

• Questions and answer writing discussion

1. Resource? Types of Resources [Specific basis also]
2. Problems of Indiscriminate use of resources?
3. Define: Sustainable development, Earth Summit, Agenda 21, Net sown area
4. Steps involved in Resource planning? why do we need it?
5. Gandhiji's statement?
6. Land utilisation? Causes of land degradation? Conservation methods? [same for Soil]
7. Soils [All], Khadar and Bangar
8. Status of Development? [Define]