

Resources and Development (CH-1) Important Questions Class 10 Social Science (Geography) Chapter

VERY SHORT ANSWER TYPE QUESTIONS

Q1. Which soil is found in the largest area of the country? How is it formed?

Ans. Alluvial soil. This is formed by the deposit of the rivers.

Q2. Which soil is found in Maharashtra, Saurashtra and Malwa? How this soil is formed?

Ans. Black soil. It is made up of lava flows.

Q3. Write the name of any two important factors in the process of soil formation?

Ans. Relief, Parent rock, climate, vegetation, inorganic materials, humus and time.

Q4. Write the name of any two soils found in India?

Ans. Alluvial, black, red & yellow, laterite, arid, forest & mountainous.

Q5. Write any two features of forest and mountainous soil?

Ans.

- Found in the hilly and mountainous areas, loamy and silty in the valley sides and coarse grained in the upper slopes.
- In the snow covered areas of Himalayas, these soils experience denudation and are acidic with low humus content

Q6. Write any two features of Arid soil?

Ans.

- Colour red and brown.
- Sandy in texture and saline in nature.

Q7. What was the main agenda of Earth Summit 1992?

Ans. For addressing urgent problems of Environmental protection and Socio-Economic development at the global level.

Q8. What is Agenda 21?

Ans. It is an agenda to combat environmental damage, poverty, disease through global co-operation on common interests, mutual needs and shared responsibilities.

Q9. Write the name of any two states of India where step farming is in use? What are the benefits of this type of farming?

Ans. Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Manipur, Nagaland, Mizoram. Step farming(terrace cultivation) controls the soil erosion.

Q10. Write any two human activities which are responsible for the land degradation?

Ans. Deforestation, over grazing, mining and quarrying.

Short/long Answers Questions 3/5 Markers

Q1. What problems have emerged due to over exploitation of Resources?

Ans.

- Damage/spoiling(over-utilization) of resources.
- Resources are concentrated on the hands of a few people. One class is resource full and other class is deprived.
- Global ecological problems like global warming, environmental pollution, decay of Ozon layer and land degradation.

Q2. Distinguish between Khadar and Bangar?

Ans.

KHADAR

- New alluvial
- More fine particles and more fertile
- Continues renewal
- It is found near river, delta and flood plains

BANGAR

- Old alluvial
- Higher concentration of kanker nodules
- No continuous renewa
- It is found far from the river at higher level

Q3. Write a short note on Earth Summit, 1992?

Ans.

- Organised in June 1992 at Rio de Janeiro in Brazil
- More than hundred heads of states participated
- The summit was convened for addressing urgent problems of environmental protection and social economic development at the global level.
- The assembled leaders signed the Declaration on Global Climatic Change and Biological Diversity.
- The Rio Convention endorsed the global Forest Principles.

Q4. How the soil erosion can be controlled? Write various protective measures?

Ans.

- Controlling the flow of rivers by making check dams over them
- Planting more and more trees.
- Planting thorny vegetation in desert areas.
- Terrace cultivation in hilly areas. v) Shelter belts or planting lines of trees.

Q5. Distinguish between Net sown area and gross cropped area?

Ans.

NET SOWN AREA

- The part of the total sown area which is used for cultivation.
- In India almost half of the total sown area is Net sown area.
- This is estimated on the basis of a single crop in an year.

GROSS CROPPED AREA

- The area in which more than one crop are sown in an agriculture period.
- In India gross cropped area is far more than net sown area.
- Calculation is on the basis of more than a crop sown.

Q.6 What efforts have been made for Conservation of Resources at International level?

Ans.

- The club of Rome advocated resource conservation for the first time in a more systematic way in 1968,
- In, 1974, Gandhian Philosophy was once again presented by Schumacher in his book small is beautiful.
- In, 1987, the Brundtland commission report introduced the concept of sustainable development.

- Another significant contribution was made at the Earth Summit 1992.

Q7. What do you understand by Resource planning? Why does the conservation of resources is necessary?

Ans. Resource planning is the skill and technology of appropriate use of resources. The need of resource planning.

- There are limited resources while unlimited needs.
- For judicious use.
- Uneven distribution.
- Some are non-renewable

Q8. Explain different types of resources on the basis of ownership?

Ans. Classification of resources on the basis of ownership

Individual resources-

- Owned privately by individuals.
- Plantation, pasture lands, ponds, water in wells etc.

Community owned resources-

- Accessible to all the members of the community.
- Village common grazing grounds, burial grounds, village ponds , etc.
- Public parks, picnic spots, playgrounds in urban areas.

National resources-

- Technically, all the resources belong to the Nation.
- The country has legal powers to acquire even private property for public good.
- All the minerals, water resources, forests, wildlife, land within the political boundaries.
- Oceanic area up to 12 nautical miles (19.2 K.M.) from the coast termed as territorial water and resources therein belong to the nation.

International Resources-

- Regulated by international institutions.
- The oceanic resources beyond 200 km of the Exclusive economic zone belong to open ocean,
- No individual country can utilise these without the concurrence of international institutions.

Q9. Which factors are responsible in the formation of soil. Clarify?

Ans.

- Rocks-the appropriate material for soil.
- Climate-changing rocks into small particles in long duration
- Plant and Trees-roots break the rocks after entering in them.
- Over grazing-the change in rocks is possible due to continuous grazing by animals.
- Rain-the rain water enters in rocks and break them.

After the long activation of these factors the process of breaking of rocks continues and thus the soil forms

Q10. Describe about the various soils found in India and show their distribution on the outline map of India?

Ans.

Alluvial Soils-

- Expended in whole northern plains.
- Developed by Indus, Ganga and Brahmaputra river systems.
- Having different ratios of sand, silt and clay.
- Very fertile and ideal for the growth of sugarcane, paddy, wheat and other cereal and pulse crops.

Black Soil-

- Black in colour and other name is Regur soils.
- Ideal for growing cotton and ground nuts.
- Covers the plateaus of Maharashtra, Saurashtra , Malwa, Madhya Pradesh and Chattisgarh.
- Rich in soil nutrients, such as calcium carbonate, magnesium, potash and lime.

Red and Yellow Soils

- It looks red due to diffusion of iron in crystalline and metamorphic rocks. It looks yellow when it occurs in a hydrated form.
- These are found in parts of Orissa, Chhattisgarh, southern parts of the middle Ganga plain and along the piedmont zone of the Western Ghats.

Laterite soil-

- Develops in high temperature and heavy rainfall areas.
- This is the result of intense leaching due to heavy rain.
- Humus content of the soil is low.
- Mainly found in Karnataka, Karala, Tamil Nadu, Madhya Prades and the hilly areas of Orissa and Assam.
- Suitable for crops like cashew nut.

Arid Soils-

- Range from red to brown in colour.
- Sandy in texture and saline in nature.
- Due to the dry climate, high temperature ,evaporation is faster.
- Lacks humus and moisture.
- Can be made fertile and cultivable after proper irrigation system.

Forest Soils-

- Found in the hilly and mountainous areas.
- Texture varies according to the mountain environment where they are formed.
- Loamy and silty in the valley sides.
- In snow covered experience denudation and are acidic with low humus content.

Q11. Describe about the environmental importance of forests?

Ans. The National Policy(1952) outlines that forest area of a country should be 33 percent of the geographical area. In India, it is about 19.39 percent.

- Forests are essential for maintaining the ecological balance. Plants, animals and micro-organisms recreate the quality of air, that we breathe and the soil that produces our food, without which we cannot survive.
- Forests are the primary producers on which all other living organisms survive.
- Forests protect the genetic diversity of plants and animals for better growth of species and breeding,
- Forests helps in water-cycle maintenance on earth, helps in raining. Forest holds water . The trees and the soil they make are full of water and they store this water for times of no rain. Thus forest keeps the land green.
- The forest protects the soil. It hold the soil with its roots and stops soil erosion. Thus forest conserve soil and protect land and it's beauty.

Q12. Mention about some of the environmental issues which may be rise due to the over exploitation or unfair (non-judicious) utilisation of resources?

Ans.

- Soil erosion
- Global warming
- Pollution
- Climate change
- Desertfication
- Lack of bio-diversity etc.