

RESOURCES AND DEVELOPMENT

SOURCE BASED QUESTIONS

(4 Marks)

1. Read the passage given below and answer the question that follows:

Arid soils range from red to brown in colour. They are generally sandy in texture and saline in nature. In some areas the salt content is very high and common salt is obtained by evaporating the water. Due to the dry climate, high temperature, evaporation is faster and the soil lacks humus and moisture. The lower horizons of the soil are occupied by Kankar because of the increasing calcium content downwards. The Kankar layer formation in the bottom horizons restrict the infiltration of water. After proper irrigation, these soils become cultivable as has been in the case of western Rajasthan.

(i) What are the two components lacking by dry climate and high temperature?

Ans. Humus and moisture.

(ii) The lower horizons of the soil are occupied by what and why?

Ans. The lower horizons of the soil are occupied by Kankar because of the increasing calcium content downwards.

(iii) What does the Kankar layer formation restrict in the bottom horizons?

Ans. The Kankar layer formations in the bottom horizons restrict the infiltration of water.

2. Read the passage given below and answer the question that follows:

This type of soil is typical of the Deccan trap (Basalt) region spread over northwest Deccan plateau and is made up of lava flows. They cover the plateau of Maharashtra, Saurashtra, Malwa, Madhya Pradesh and Chhattisgarh and extend in the south east direction along the Godavari and the Krishna valleys.

(i) Identify the type of soil.

Ans. The type of soil is Black Soil.

(ii) What factors has led to the formation of the above soil?

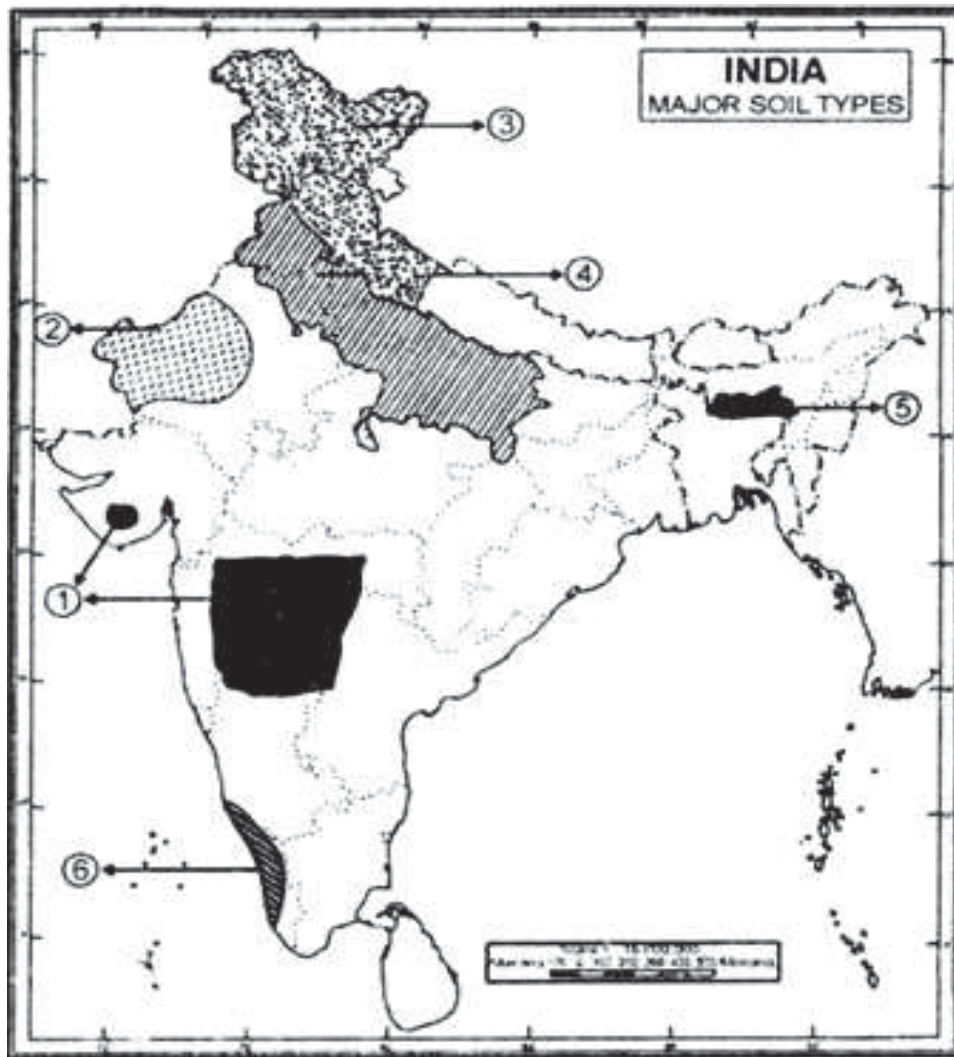
Ans. Climatic condition along with the parent rock material are important factors for the formation of Black soil. It is also made up of lava flows.

(iii) Name the crop for which this soil is ideal.

Ans. Cotton

MAP BASED QUESTIONS

1. On the outline map of India, identify the soil types marked by 1 – 6 and write their names in the blank space.



- Ans. (1) Black soil
(2) Desert (Arid) soil
(3) Mountainous soil
(4) Alluvial soil
(5) Red and Yellow soil
(6) Laterite soil