



**INDIAN SCHOOL MUSCAT**  
**DEPARTMENT OF SCIENCE – MIDDLE SECTION**  
**SCIENCE PROJECT (2019 – 2020)**



**CLASS: 7**

**MARKS: 10**

**Date of Submission: 20<sup>th</sup> August, 2019**

**Topic:       1) Soil**  
**2) Forest: Our life line**

**Introduction:** Soil is formed as a result of weathering of rocks. Microorganisms also play an important role in the production of soil. Soil, apart from supplying nutrients and water for the plants also acts as a medium for the decomposition of organic wastes and a habitat for many living organisms.

Forests are renewable resources and play a major role in enhancing the quality of the environment. They modify the local climate and control soil erosion. They regulate the flow of streams and support a variety of industries like the rubber industry. Forests also provide a livelihood for many communities

1. Why is soil a hidden resource? (stick relevant pictures) **(1 mark)**
2. Create a soil map of India using a colour code for each soil type. Draw a map of India and colour the areas or states to which each soil type belongs and create the soil map. **(1mark)**
3. What is the impact of agrochemicals and micro plastics in soil? **(2 mark)**
4. Make a poster on –**solution to soil pollution**?. **(1 mark)**
5. What is the Impact of forest vegetation on soil characteristics.(stick relevant pictures) **(2 mark)**
6. Why are forests known as a '**dynamic living entity**'? (stick relevant pictures) **(1 mark)**
7. **Silent valley- a people's movement which saved a forest**. Write a case study on the cause, the movement and the impact of this movement. **(2mark)**

**Note:** This assignment should be **hand written** in your own words and submitted in a file or folder. Your project should not exceed 10 pages. The subject matter should not be copied directly from the source.

**Evaluation Criteria:**

1. Neatness
2. Relevance of pictures
3. Accuracy of facts
4. Submission on time

**References:**

1. NCERT – SCIENCE Textbook for class VII
2. <https://www.soils4teachers.org/soil-and-environment>
3. <https://solarimpulse.com/land-pollution-solutions>
4. <http://www.fao.org/forest-resources-assessment/current-assessment/soil-and-water/en/>
5. <http://www.conservationindia.org/case-studies/silent-valley-a-peoples-movement-that-saved-a-forest>