



**BRIGHTLANDS GIRLS SR. SEC. SCHOOL, JAIPUR**  
**HOLIDAY HOMEWORK 2024-25**  
**CLASS – VIII**

**Integrated holiday homework as per NCeF**  
**Number of hours allotted - 10 hrs.**

**Subjects Integrated - English, Hindi, Sanskrit, Science, Social Science, Mathematics, Information Technology.**

**Theme:** Crop Production

**Topic:** Krishi Samagam (Integrated Agriculture)

**Problem Statement:**

India, being the most populous country in the world needs food for 1.4 billion people but with a 17% decrease in land area under cultivation it becomes a big challenge to fulfill this need. The challenge is to increase food production using limited resources and leverage new technology to equip farmers digitally.

**Task:**

**Science:**

- Develop a PowerPoint presentation or create a model/gadget to showcase the testing of various factors and suggestions to farmers that can enhance crop production with limited resources.
- Make a research page for each parameter mentioned below indicating the importance of testing them by the farmers and their importance.
- Mention traditional methods used for testing these parameters and suggest how we can change traditional to digital methods.
- Propose methods to address the effect of following problems given below in your **PPT**.
  - A) Soil pH
  - B) Soil moisture
  - C) NPK level
  - D) EC testing
  - E) Different types of soil (crop-based)
  - F) Water holding capacity of soil

**Social Science:**

**Use colourful A4 size file papers to do this project.**

1. Create the map illustrating:

Types of crops grown in different regions of India.

2. Prepare a project on -
- Various soil types found in different regions
  - Climatic conditions required for optimal crop growth

### **Mathematics and Information Technology:**

Data Analysis: Gather data pertaining to the following factors and perform data analysis using spreadsheet software MS Excel to present and interpret the data. The fields of the data table are given below:

- Soil pH
- Soil moisture
- NPK level
- EC testing
- Different types of soil (crop-based)
- Water holding capacity of soil

**Create four types of graphs and charts like a bar chart in MS Excel. Take a print out for the same on an A4 size sheet.**

### **English:**

**Do the tasks separately on an A4 size sheet.  
Make it as creative as possible.**

- Write a **letter to the Editor** of a National daily highlighting the issue of crops being damaged due to the plague of locusts. Suggest a few measures to save the crops and increase production. (Word limit - 100-120 words)
- Design a **poster** on '**Save Environment**' to create an awareness among the people. Highlight the issues which destroy the environment and measures which can be taken to protect it.

### **Hindi:**

**Use colourful A4 size file papers to do this project.**

आजकल भूमि प्रदूषण की समस्या दिन ब दिन बढ़ती जा रही है। पर्यावरण के महत्व को दर्शाते हुए भूमि के संरक्षण पर एक आकर्षक विज्ञापन लगभग 25 से 30 शब्दों में तैयार कीजिए।

### **Sanskrit:**

**Use colourful A4 size file papers to do this project.**

पर्यावरण प्रदूषणस्य उपरि अष्ट-दश वाक्यानि लिखित्वा चित्र संलग्नम् अपि कुरुत।

