



# SUDITI GLOBAL ACADEMY-AURAIYA

A Co-Educational English Medium Sr. Sec. Public School

Affiliated to CBSE, New Delhi, **Affiliation No.** - 2133034

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## Summer Holidays Homework

**Session - 2025-26**

**Class – X**

Summer Holidays Duration – 26<sup>th</sup> May, 2025 till 24<sup>th</sup> June, 2025.

School Reopen on – 25<sup>th</sup> June, 2025 (Wednesday)

Homework Submission Date – 2<sup>nd</sup> July, 2025 (Wednesday)

### MATHEMATICS

1-Do any 10 activities in lab manual.

2-Revise 30 questions from each chapter (1-4) from your reference book.

### SCIENCE

#### **PHYSICS -**

**1.** A working model demonstrating the principles of electromagnetism and how chemical reactions can create electricity (Roll no. 1-17)

**2. Wind Turbine Model:** A model that converts wind energy into mechanical energy or electricity. This can be built using a fan and a generator. (Roll no. 18-35)

**3. Electromagnet:** A working model demonstrating the magnetic effect of an electric current, using a coil of wire and a battery. (Roll no. 36- last)

2. Make a chart of formulae used in all the chapters.

#### **BIOLOGY -**

**1. Rain Water Harvesting Model:** A model that demonstrates how rainwater can be collected and stored for later use. (Roll no 1- 17)

**2. Working model of human excretory system** (Roll no 18-35)

**3. Working model of human heart** (Roll No. 36- last)

- ✓ **Say No to plastic.** Make videos of daily activities in which you can avoid the use of plastic. You have to send these videos to science teachers.
- ✓ Plant some trees which show vegetative propagation.

## **CHEMISTRY -**

1. Make a flow chart of type of reactions with examples.
2. Prepare your own natural indicator and make a video showing how it changes the colour in presence of acid or base.
3. Make your own soap and write its synthesis process and cleaning action.

## **SOCIAL SCIENCE**

### **Project File for Home Assignment**

**Topic :** Water Resources

- 1-Water scarcity
- 2- Multiple purpose River valley project
  - Dams** -Advantages & Disadvantages
- 3- Detail study of any 5 important dams of India.
- 4- Discuss. Narmada Bachao andolan Tehri Dam Andolan.
- 5- Flood. Should do/ should not do.
- 6- Rainwater harvesting.
- 7- Bamboo Drip Irrigation system
- Prepare project file with 10 to 15 pages.

**Note**-Avoid using plastic materials.

## **ENGLISH LANGUAGE & LITERATURE**

- 1- You are Vaishali of 214, Indrayani Apartments, Vaishali Street, Dispur. You believe that forming ecology clubs and appointing eco minders in your city can aid in the preservation and Conservation of nature.

Write a letter to the MLA of your city area in about 120 words suggesting the needs to form such clubs share their importance and implications recommend the involvement of resident volunteers for implementation of eco club activities that nurture and protect the local ecosystem.

- 2- You are Rohit of A-45, Pitampura, Delhi. you observed that the subways in Delhi are seldom used by pedestrians who are always trying to cut across traffic. You have decided to write a letter to the editor of Hindustan Times highlighting the dire need of creating awareness about it. Write the letter to editor in 100to120 words.

- 3- You are Shivam of C-12 Janakpuri Indore. You wish to make a pilgrimage to Badrinath, Kedarnath and Haridwar with your family of 6. Write a letter to RK travels inquiring about the schedule of their conducted tour by deluxe buses to these places. Ask about the charges, boarding and lodging arrangements and the total time needed for the tour .word limit 100 to 120 words.
- 4- When you think about your city you feel proud of its historical monuments, places of cultural interest, shopping centres and beautiful parks. Write a letter in 100 to 120 words to the editor of a national daily expressing your views on your city. also suggest ways in determine indeterminate to these places like the government's recent initiative of free entry to all historic monuments on the occasion of 75th Independence Day. You are Sangeeta, 45, Vijaynagar, Delhi.
- 5- You are Anita/Ankit of Pandey Park. You recently worked on a school project on the powerful impact of media in promoting national integration. Write a letter to the editor of The Hindu, sharing your views on the role of media.

## **HINDI**

1. स्वतंत्रता आंदोलन में महिलाओं की भी सक्रिय भागीदारी रही है। उनके बारे में जानकारी प्राप्तकर उनके नाम लिखिए और उनमें से किसी एक पर 150 शब्दों में लेख लिखिए।
2. आपने ऐसे चरित्रों के बारे में पढ़ा या सुना होगा जिन्होंने अपने वाक्चातुर्य के आधार पर अपनी एक विशेष पहचान बनाई ; जैसे- बीरबल, तेनालीराम आदि। ऐसे ही अपने मनपसंद चरित्र के दो किस्से लिखिए।
3. जो अलंकार पाठ्यक्रम में हैं, उनके 5 - 5 उदाहरण स्पष्टीकरण सहित लिखिए ।

## **INFORMATION TECHNOLOGY**

1. Write one topic on a daily basis from chapter 1,2,3 Digital Documentation from Part B.
2. Make detailed notes about where we find the different options in the same chapter digital documentation (Minimum 5 pages).
3. Make a complete note for all windows from starting to till now. Also write its features (At least about 8 windows).
4. Write about care and maintenance of our system (At least five pages)

### **Note :-**

- ✓ Work should be in the A4 size page and you will put it into a file.
- ✓ You will perform only one task in a day and also mention the date.