

## **BAL BHARATI PUBLIC SCHOOL, NTPC, SIPAT**

### **Holiday Homework-Summer Break Class- XII Science, (2025)**

**English:** Project Work- Students can choose a topic on which to do their research/ interview, e.g. a student can choose the topic : “ Evolving food tastes in my neighbourhood” , “Corona pandemic and the fallout on families.”etc

The student will then write an essay/ write up / report etc. up to 1000 words on his/her research and submit it. ( Project discussed with the students and project Sample shared )

#### **Physics :**

1. To write and prepare question answers of (1) Electric charge and Electric field  
(2) Electric Potential and Capacitance and (iii) Electric Current
2. To prepare all mcqs/assertion reason questions fill in the blanks of chapters  
(1) Electric charge and Electric field  
(2) Electric Potential and Capacitance and (iii) Electric Current )from NCERT exemplar.

#### **Chemistry :**

Prepare Unit 1,2 and 3 all question answers from notes,NCERT text book and Exemplar.

#### **Mathematics :**

1. Revise the chapters – i) Relations and Functions, ii) Continuity and Differentiability  
iii) Applications of Derivatives
2. Solve PYQ's of these chapters.

#### **Computer Science :**

1. Write a program to check a number whether it is palindrome or not using user defined function.
2. Write a program to modify the given list, even numbers of a list must be increased by 5 and odd numbers must be decreased by 5 using user defined function.
3. Write a menu driven program in python using user defined function to find. Simple interest compound interest.
4. Write a menu driven program in python using user defined function to find. Perimeter of a rectangle( $2 \times \text{length} \times \text{breadth}$ ) Circumference of a circle( $2 \times 3.14 \times r$ )
5. Practice the question of Python Revision and Function from the question paper (All in One-XII CSc) uploaded in Google Classroom.

#### **Biology :**

1. Do write and learn by heart all the exemplar questions and answers of all the chapters of unit-1.
2. Comprehensive Investigatory project on any one topic from the following Cancer, Biotechnology, Human Diseases, Reproductive Health.

#### **Physical Education :**

Prepare a project on a sports personality of your choice, highlighting their achievements and contributions to their sport.

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