

## Holiday Homework Class X

### हिन्दी

1- अपने सहपाठी मित्र को आपस में पत्र लिखकर एक दूसरे के पत्रों के उत्तर दीजिए। (पत्र कुशल क्षेम जानने/बताने, परीक्षा की तैयारी, जन्म दिन की शुभकामनाएं, अवकाश कालीन दिनचर्या, स्वस्थ रहने के उपाय/सुझाव आदि संदर्भों में स्वेच्छानुसार लिखे जा सकते हैं।)

2. कोरोना महामारी से लड़ने के लिए टीकाकरण के प्रति लोगों को जागरूक करते हुए स्वास्थ्य मंत्रालय भारत सरकार की ओर से एक विज्ञापन तैयार कीजिए। (शब्द सीमा 25-30 शब्द)

### ENGLISH :

1. Write a letter of complaint to the superintendent of police on any subject of your choice.
2. Read the allotted story from the supplementary reader and make a PowerPoint presentation on the following elements
  - i) Mind map of the plot
  - ii) Theme and Message
  - iii) Characters sketch of main characters
  - iv) Justification of the title
  - v) Learnings

### MATHS:

**Q1)** Collect the data of the covid-19 patient and the no. of the recovered patient from March 20 to April 21 and hence find its mean and median.

**Q2)** Solve the equations graphically

- (a)  $2x+3y=7$  ,  $3x-2y=4$
- (b)  $x-2y=2$  ,  $y-2x=-7$
- (c)  $2x-3y=1$  ,  $x+2y=-3$
- (d)  $x+y=-3$  ,  $x+2y=-2$

**Q3)** Identify whether these are Terminating or Non-Terminating

- a)  $7/25$
- b)  $3/50$
- c)  $4/15$
- d)  $21/121$
- e)  $3/75$

**Q4)** State Euclid's Division Lemma.

**Q5)** Find the HCF of 1024 and 576 by using the prime factorization and by Euclid's Division Algorithm.

**Q6)** Find the LCM and HCF of 396 and 512 and verify it by  $LCM \times HCF =$  Product of two numbers.

**Q7)** Give two examples of Unique solution, No solution, and Infinitely many solutions.

**Q8)** Do Question No 4,5,8,9 and 13 of Ex 15.1 of NCERT

**Q9)** State why  $3 \times 5 \times 7 \times 11 + 7$  is a composite number.

**Q10)** Do Question (3)-(i),(iii) of Ex-3.3 of NCERT.

**Q11)** Do Question (3)-(i),(ii),(iii),(iv) of Ex-3.4 of NCERT.

## **SCIENCE:**

### **Physics**

1. Study the entire chapter Sources of Energy. And do exercise given in NCERT of this chapter.
2. And do any Activity on any topic of this chapter.

### **Chemistry**

1. Complete all questions from Q.No 1 to 20 given at the end of chapter one.
2. Write names and formulas of any five acids, bases and salts.
3. Draw pH scale and mention all information required.
4. Write names of any five substances belonging to acid bases and salts and find their pH.
5. Read the role of pH in our daily life.
6. Make turmeric paper and observe change in basic substances.

### **Biology**

1. Write a biography of Nobel prized scientist related to biology work.
2. Do the activity of osmosis by preparing a potato osmoscope with the help of OLABS ([www.olabs.edu.in](http://www.olabs.edu.in)) and click the photographs or make a short video of 2 minutes.
3. Study the activity 6.1 & 6.2 from the Life Processes chapter and write the conclusion/answers of questions given.

## **HISTORY:**

- 1 Prepare for your review exam chapter 3 only.
- 2 Prepare project file based on the topic social issues.

## **GEOGRAPHY:**

1. Prepare for review exam
2. Prepare the project file as per the subject chosen by you(history/geography)
  - a. Consumer Rights
  - b. Sustainable Development
  - c. Social issues
3. Practice location of states in the political map of India

## **COMPUTER:**

Create a chart on any one of the topic HTML, internet banking, covid relief apps or history of the Internet

**ART:** Make one Doodle art(Mandala) in your art file.