

## Holidays Home Work (Session 2022-23) (Pg 1 to 6)

### Class -X

Name: - \_\_\_\_\_

RollNo. \_\_\_\_\_

Dear students,  
Greetings!!!

***“Longer days and shorter nights Dark shades & brighter lights Favourite music & best friends Keep away pencils keep away Pens. Make these days the time of your life And make the nights just as right This time only comes once a year So live it up without inhibition and fear. This summer break try and make a difference”.***

**Appreciate Nature** - Go for long walks in a park or garden with your family and friends.

**Good manners are the key** - Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you).

**Stay Fit, Stay Healthy** - Play your favourite game / sport regularly.

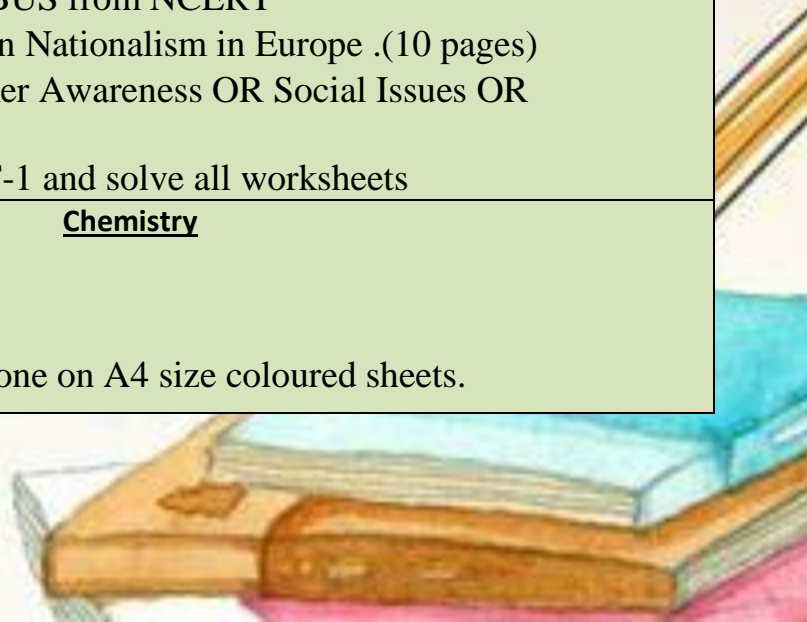
**Save Nature** – Contribute to save our precious environment. Minimize the wastage of resources like water, fuel and electricity.

#### Must do:-

- ✓ Read every day newspaper.
- ✓ Revise the previous (done) work.



Subjects	Tasks/Activities
English	<p>1. Should Students get limited access to the Internet?            2. Safety of Women in India: A Big Concern            Note: Express yourself on the suggested topics in 120-150 words. Write each topic on A-4 sized sheet.</p> <p>Assignment 2 (Art Integration Based)</p> <ul style="list-style-type: none"> <li>• AIA 1- Make a collage of success stories of any one successful person (national or international). Read about his/ her success journey. How his/ her life inspired you? Write in 100-120 words .This AIA activity, you will do in fair notebook.</li> <li>• AIA 2: As you have read the poem “A tiger in the zoo” in which you noticed plight of caged animals. How can we extend our support to help these caged animals?. Do the same in fair notebook.</li> </ul> <p><b>Note:</b> Solve all the worksheets (chapter wise) that have been shared in whatsapp group in the end of each lesson. Do the same in the Fair notebook.</p>
Maths	<ol style="list-style-type: none"> <li>1. Revise chapter 1,2,3,8 and 15 from NCERT</li> <li>2. Complete given Assignment that will be shared in your class whatsapp group.</li> <li>3. Do the following activities in Lab manual               <ol style="list-style-type: none"> <li>(i) To obtain the condition for consistency of a system of linear equations in two variables by graphical method.</li> <li>(ii) To get familiar with Probability of an event through a double colour experiment.</li> <li>(iii) To verify the Pythagoras Theorem by using paper cutting and folding</li> <li>(iv) To compare the volumes of two right circular cylinders which are formed from rectangular sheets of paper having the same dimensions.</li> <li>(v) Revise Complete syllabus PT-1 and solve all worksheets</li> </ol> </li> </ol>
Social Science	<ul style="list-style-type: none"> <li>• Revise chapterPT-1 SYLLABUS from NCERT</li> <li>• Make a pictorial scrapbook on Nationalism in Europe .(10 pages)</li> <li>• Make a project from Consumer Awareness OR Social Issues OR Sustainable Development.</li> <li>• Revise Complete syllabus PT-1 and solve all worksheets</li> </ul>
	<p style="text-align: center;"><b><u>Chemistry</u></b></p> <p>A. Rancidity : A case study</p> <p>Instructions: This activity is to be done on A4 size coloured sheets.</p>



## Science

“Rancidity is defined as the oxidation of food, which results in the change in taste and smell.”

Research in detail about its causes and prevention methods. Does it also affect the nutritional value of our food? Is it safe or unsafe to consume rancid food?

Solve the following questions in your hhw notebook -:

1. Balance the following chemical equations-:

- $\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2$
- $\text{SiCl}_4 + \text{H}_2\text{O} \rightarrow \text{H}_4\text{SiO}_4 + \text{HCl}$
- $\text{Fe}_2(\text{SO}_4)_3 + \text{KOH} \rightarrow \text{K}_2\text{SO}_4 + \text{Fe}(\text{OH})_3$
- $\text{Ca}_3(\text{PO}_4)_2 + \text{SiO}_2 \rightarrow \text{P}_4\text{O}_{10} + \text{CaSiO}_3$
- $\text{KClO}_3 \rightarrow \text{KClO}_4 + \text{KCl}$

2. Write the chemical equation of the reaction in which the following changes have taken place with an example of each:

- Change in colour
- Change in temperature
- Formation of precipitate

3. State the type of chemical reactions and chemical equations that take place in the following:

- Magnesium wire is burnt in air.
- Electric current is passed through water.
- Ammonia and hydrogen chloride gases are mixed.

4. 2g of ferrous sulphate crystals are heated in a dry boiling tube.

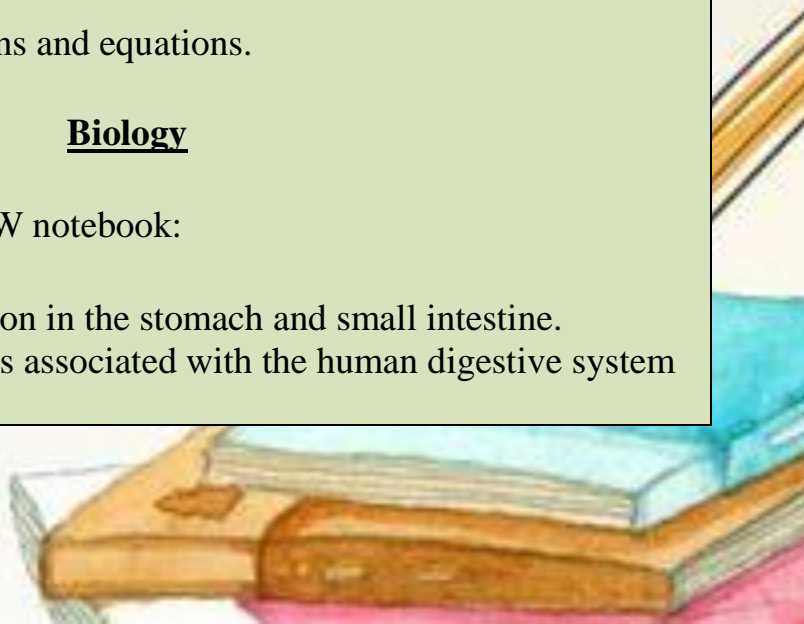
- List any two observations.
- Name the type of chemical reaction taking place.
- Write the chemical equation for the reaction.
- Revise Complete syllabus PT-1 and solve all worksheets

Revise chapter 1 : Chemical reactions and equations.

## Biology

Do all these questions in HHW notebook:

- 1) Explain the process of digestion in the stomach and small intestine.
- 2) Mention the four major glands associated with the human digestive system and explain their functions.

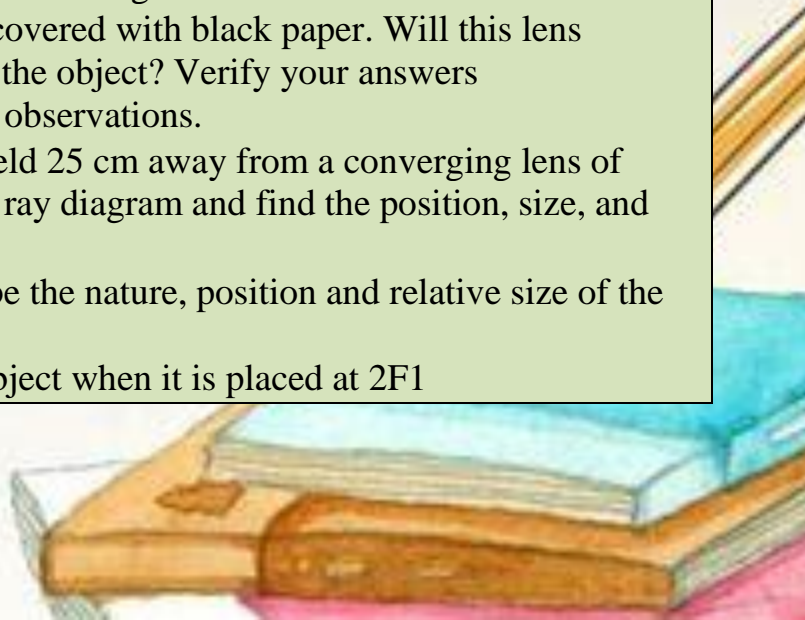


- 3) Draw a diagram of human respiratory system and label
  - (i) organ that is surrounded by cartilaginous rings.
  - (ii) structure where exchange of gases takes place
  - (iii) voice box
  - (iv) muscular structure which flattens during inhalation
- 4) Bile does not contain any digestive enzyme, yet it is important for digestion of food. Explain.
  - (b) name the products formed after complete digestion of carbohydrates, proteins and fats in the small intestine.
- 5) What are stomata? What function do they perform? With the help of well labelled diagrams explain the opening and closing of stomata.
- 6) Explain three pathways for breakdown of glucose in living organisms.
- 7) Revise chapter 6: Life processes (Nutrition and Respiration)
- 8) Revise Complete syllabus PT-1 and solve all worksheets

## PHYSICS

Do all these questions in HHW notebook:

- A ray of light is incident on a concave mirror along its principal axis. What will be the angle of reflection?
- Due to which property of light, sharp shadow of an object is obtained?
- How does the image change when the face is slowly moved away from the inner face of a shining spoon?
- Which of the two has a great power? A lens of short focal length or a lens of large focal length?
- The size of an object is 2 cm. The magnification produced by a mirror is +1. What is the size of the image?
- If the refractive index of water for light going from air to water is 1.33, what will be the refractive index of air for light going from water to air ?
- A ray of light is incident normally to the surface of a glass slab placed in air. Find the angle of incidence and angle of refraction in this case.
- One-half of a convex lens is covered with black paper. Will this lens produce a complete image of the object? Verify your answers experimentally. Explain your observations.
- An object 5 cm in length is held 25 cm away from a converging lens of focal length 10 cm. Draw the ray diagram and find the position, size, and nature of the image formed.
- Draw ray-diagrams to describe the nature, position and relative size of the image formed
  - (i) by a convex lens for the object when it is placed at  $2F_1$





(ii) by a concave mirror for the object when it is placed between pole P and focus F.

- Revise Complete syllabus PT-1 and solve all worksheets

### स्वनिर्मित शब्दकोश

**गतिविधि 1:** अपनी क्रियात्मक क्षमता का प्रदर्शन करते हुए अपनी पाठ्य पुस्तक के आधार पर स्वनिर्मित हिंदी शब्दकोश ( HINDI DICTIONARY) तैयार करें।

निर्देश:

- ❖ शब्द सीमा- 150 से 250 शब्द अवश्य होने चाहिए।
- ❖ शब्दों का चयन अपनी पाठ्य पुस्तक के पाठ - 1,2 और कविता 1,2 और हिंदी व्याकरण से ही कर सकते हैं।
- ❖ इस कार्य को करने के लिए किसी रंगीन स्क्रेपबुक का प्रयोग करें।
- ❖ शब्दों के अर्थ खोजने के लिए डिजिटल माध्यमों का प्रयोग कर सकते हैं अर्थात सहायता ले सकते हैं।

### गतिविधि-2

- ❖ नीचे दिए गए लिंक को खोलिए और दी गई कार्य पत्रिका को हल कीजिए।

एक उदाहरण देखिए और समझिए , उसके बाद कार्य पत्रिका हल कीजिए।

+ = नाकों चने चबाना।

LINK FOR ACTIVITY

<https://drive.google.com/file/d/1OltFUqMBoFOWIPH4u6T2j8Jtd5KahChN/view?usp=sharing>

निर्देश:

- इस गतिविधि के उत्तर आप अपनी उत्तर पुस्तिका में लिख सकते हैं।
- अर्थ के साथ वाक्य प्रयोग भी कीजिए।
- अगर आप इच्छुक हो तो इसका प्रिंट आउट निकलवा कर भी अपने उत्तर लिख सकते हैं। प्रिंटआउट निकलवाने के लिए बाध्य नहीं है।

- PT-1परीक्षा हेतु पुनरावृत्ति कार्य:
- कक्षा में दी गई (1-5) कार्य पत्रिकाओं के प्रश्नों को याद कीजिए।
- पुनरावृत्ति हेतु व्याकरण की सभी कार्य पत्रिकाओं को हल कीजिए PT-1 परीक्षा हेतु समस्त PT-1 पाठ्यक्रम और कार्यपत्रिका दोहराएँ।

Hindi



*Hope you have a great time while enjoying your Summer Break.*

