

Holidays are a well deserved opportunity to relax and unwind by indulging in activities that are pleasurable at the same time educative. It is a sincere request to all to complete holiday assignment on time. Engage yourself whole heartedly as you will learn a lot through it.

### **HERE ARE FEW TIPS FOR YOU TO FOLLOW:-**

- Revise the entire syllabus done in the class. **Homework should be done on A4 size sheets in your handwriting and maintain a file of it.**
- Get up early in the morning and pray.
- Keep your room clean and well organised.
- Assign a permanent place and work time.
- Play indoor games.
- Help your mother, do small household work like dusting, serving water, watering plants and so on.

### **NOTE:-**

#### **METHOD OF SUBMISSION –**

**1. MAKE A PDF OF YOUR HANDWRITTEN WORK.**

**2. SEND THE VIDEOS, PHOTOS OR PDF TO THE CONCERED (SUBJECT) TEACHERS EMAIL ID.**

1. बड़े भाई साहब पाठ के आधार पर :-
  - बड़े भाई साहब की चारित्रिक विशेषताएं विस्तारपूर्वक स्पष्ट करें ।
  - बड़े भाई साहब ने किताबी ज्ञान और ज़िन्दगी में से किसे महत्वपूर्ण माना है और क्यों ?
  - बड़े भाई साहब पाठ में लेखक ने समूची शिक्षा के किन तौर तरीकों पर व्यंग किया है ? क्या आप उनके विचारों से सहमत हैं ।
  - ' बड़े भाई साहब ' पाठ में निहित किन्हीं दस मुहावरों को अर्थ सहित लिखिए ।
2. कबीर की साखियों के आधार पर
  - किन्हीं 5 साखियों को सस्वर गायन हेतु कंठस्थ करें ।
  - कबीर की प्रत्येक साखी में निहित भावार्थ अपनी शब्दों में स्पष्ट करें ।
  - कबीर को भाषा - शैली पर प्रकाश डालिए ।
  - कबीर की साखियाँ समाज से किस प्रकार अपना संबंध स्थापित करती है ? स्पष्ट करें ।
3. शब्द किसे कहते हैं ? शब्द और पद में क्या अंतर है ? सोदाहरण स्पष्ट करें ।
4. 'डिजिटल इंडिया अभियान '
  - 'डिजिटल इंडिया अभियान - क्या है? इसका क्या उद्देश्य है ? भारत की आर्थिक व तकनीकी समृद्धि में इसकी क्या उपयोगिता है ? - इस संबंध में लगभग 100 शब्दों में चित्र सहित जानकारी ट्विटर लोगो बनाकर ट्वीट के रूप में दीजिए नसीबो से । ट्वीट संबंधी नियम देखने के लिए आप गूगल का प्रयोग करें ।
  - डिजिटल इंडिया पर पाँच स्लोगन निर्माण कीजिए।

## **ART**

Art- Landscape with poster colour (size ½ chartpaper)

Craft- 3D painting

**CLASS:-X**

**URDU**

Choose one of the following to make a couplet:-

- Corona
- National Integration
- Education

کرونا پر، تعلیم پر، یا پھر کسی قومی یکجہتی پر اپنی دس لائنیں لکھیں۔

**MUSIC**

Attempt any 3 of your choice

1. Write a brief Biography of any 2 Indian Singers
2. Briefly describe the History of "Harmonium" & "Tabla"
3. Write 1 English Pop Song
4. Write 1 Patriotic Song
5. Sing a song or play an instrument, record a video and send

**CLASS:-X**

**MATHS**

- Use Euclid's division algorithm to find the HCF of the following
  - 740 and 45
  - 1290 and 228
  - 12576 and 4052
- Show that any positive odd integer is of the form  $4q + 1$  or  $4q + 3$ , where  $q$  is some integer.
- Find the simplest form of  $\frac{561}{748}$
- The HCF of two numbers is 23 and their LCM is 1449. If one of the number is 161, find the other.
- Prove that  $\sqrt{2}$  is irrational.
- Find the zeros of the quadratic polynomial  $x^2 + 3x - 10$  and verify the relation between its zeros and coefficients.
- If 1 is a zero of the polynomial  $P(x) = ax^2 - 3(a - 1)x - 1$ , then find the value of  $a$ .
- Find a quadratic polynomial whose zeros are  $3 + \sqrt{5}$  and  $3 - \sqrt{5}$ .
- Find the value of  $K$  if the quadratic polynomial  $2x^2 - 3Kx + 5$  has 9 as sum of its zeros.
- If the product of zeros of the polynomial  $ax^2 - 6x - 6$  is 4, find the value of  $a$ .
- For what value of  $k$ , does the quadratic equation  $9x^2 + 8kx + 16 = 0$  have equal roots.
- Solve  $5y^2 - 2y - 2 = 0$
- Solve for  $x$   $4x^2 - 2(a^2 + b^2)x + a^2b^2 = 0$
- The sum of two natural numbers is 8. Determine the numbers if the sum of their reciprocals is  $\frac{8}{15}$ .
- A passenger train takes 2 hours less for a journey of 300 km, if its speed is increased by 5 km/hour from its original speed. Find the original speed of the train.

**Extra Work:-**

Chapter No. 11. i.e Construction (Holiday Homework)

Revise and practice :-Chapter No 3, 5 and 7.

Revision Test on 27/7/2021 (Chapters 3 and 7)

Revision Test on 30/7/2021 (Chapter No.5)

## **SOCIAL SCIENCE**

### **History**

1. Read Ch 1 & Ch 2. Make notes and learn the Textual Questions.
2. Learn all the key terms given in the chapter.

### **Geography**

1. Do Self Study of the following Chapters
  - Chapter-2 Forest and Wildlife
  - Chapter-3 Water Resources
  - Chapter-4 Agriculture
  - Read the chapter and make the notes.
2. Do lab manual Chapter-1, 2, 3 & 4 of Geography. On the map locate- Types of forest, Wildlife Reserves, Major Rivers, Dams, Rice, Wheat, Ice, Coffee, Cotton, Jute producing Area. Draw or paste Map in Geography copy

### **Political Science**

1. Trace the political map of India in 1947 and compare it with the map of India in 2013. Paste the map in your Political Science notebook.
2. Why is democracy the most successful form of government in the world. With examples highlight the topic.
3. "Corona virus brings focus on division of power between the Centre and states". Write down the powers of Central government to India to ensure the control and management of Epidemics in India and its impact on State Governments of India. [Refer to Ch-2 (Political Science) Federalism].

**CLASS:-X**

**SCIENCE**

**PHYSICS**

1. Complete your practical files. Only one combined practical file has to be made for physics, chemistry and biology.
2. Study the chapter sources of energy (physics) and make presentation on any topic from sources of energy.
3. State Ohm's law. Derive relation between I, V and R. Draw the graph between V and I. 2. What is Joule's heating effect of current P? Derive its expression.
4. On what factors, the resistance of a conductor depends? Give the mathematical expression. Give the SI unit of resistivity.
5. Solve all the numerical of the chapters covered in class. (Use physics notebook)

**Note:**

1. Project Presentation (5-6mins) to be held during virtual class after holidays. It will carry 6 marks. (2 marks- Confidence, 2 marks- Subject Clarity, 2 marks- Presentation Skills).
2. The teacher may ask 1 or 2 questions during the presentation.

**CHEMISTRY**

1. Define Rancidity & corrosion. What are the preventive measures of Corrosion & rancidity?
2. Explain, why?
  - Single displacement is usually a redox reaction. Write two examples.
  - Non-metal oxides are acidic & metal oxides are basic. Illustrate with a reaction.
3. Write short note on reactivity series of elements? Give two examples that illustrate its use in chemical reactions.
4. Balance & complete the following reaction:-
  - $C_2H_4 + O_2 \rightarrow$
  - $HCl + KOH \rightarrow$
  - $(NH_4)_2Cr_2O_7 \rightarrow A + B + C$

**CLASS:-X**

- $\text{Na} + \text{H}_2\text{O} \rightarrow$
  - $\text{NH}_4\text{HCO}_3 + \text{NaCl} \rightarrow \text{A} + \text{B}$
  - $\text{Na}_2\text{CO}_3 \xrightarrow{\Delta} \text{Thermal decomposition} \rightarrow \text{A} + \text{B} + \text{C}$
5. Define the following terms :- (I) Acids, Bases & salts & (II) pH

## **BIOLOGY**

1. While working in the kitchen, you held a hot spoon accidentally and quickly removed your hand away from it. Name and explain the phenomenon associated with it.
2. All plants give out oxygen during day and carbon dioxide during night". Do you agree with this statement? Give reason.
3. Write scientific name and common name of five plants and five animals present in your locality. Out of a cow and lion, which has a longer small intestine and why?
4. A bread in a cupboard for a week developed some greyish-black dots on its names. What may be these dots? Why do they grow on bread? Gives its scientific name.
5. Two green plants are kept separately in oxygen free containers, one in the dark and the other in continuous light. Which one will live longer? Give reasons.
6. Why do fishes die when taken out of water?
7. What would happen if green plants disappear from earth?
8. Leaves of a healthy potted plant is coated with Vaseline. Will this plant remains healthy for long? Give reasons for your answer.
9. Why is small intestine in herbivores longer than in carnivores?
10. What will happen if mucus is not secreted by the gastric glands?
11. What causes movement of food inside the alimentary canal?
12. Why does absorption of digested food occurs mainly in the small intestine?
13. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?
14. Why is blood circulation in human heart called double circulation?
15. What is the advantage of having four chambered heart?

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## **COMPUTER**

Create two Web Pages using Notepad and Internet Explorer as per the given instructions:

A. The 1st Web page must have:

- The File name Basic Tags.htm
- The title of your choice under <title> tag.
- 5 Mathematical complex equations.
- 5 Chemical reactions - preferably chain reactions.
- Table on Input and Output Devices.
- Frames using <Frameset> tag.
- <Marquee> tag
- Any five more tags in additions to these tags of your own choice.
- External link to webpage "More Tags.htm"
- Background colour and text colour.

B. The 2nd Web page must have:

- The File name More Tags.htm
- The title of your choice under <title> tag.
- Ordered list with 10 items with heading using <h1> tag.
- Unordered list with 10 item with heading using <h2> tag.
- Nested list as per your choice.
- Definition list with the terms and their descriptions.
- Insert any appropriate image.
- External links to any three web sites
- External link to webpage "Basic Tags.htm"
- Link to any motivational video.
- Link to any beautiful audio.
- Background colour and text colour.



**CLASS:-X**

**ENGLISH**

### **Reading Section**

- I. Read the chapters 'Long walk to freedom', 'Abhiley' and 'Out of Business' from 'Footprints without feet' Supplementary Reader and write the answers for the questions in the class work copy.
- II. Read the poem 'Speak up' and analyse its summary and literary devices.

### **Creative Corner**

Being self dependent has become a need and that's what one should be. Try to learn any two skills that will help you in day to day life and make an account of it.

### **Writing Section**

1. You are Rohit/Reena, a resident of 481/D, Trikuta Nagar, Jammu. Write a letter to the Superintendent of police showing your concern for the rise in the rate of violent incidents, robberies in your city. Also request him/her to take immediate steps to restore the confidence of common people in the effectiveness of policing.
2. You are Mayank/Mayuri. Write an article on "Make the most of what you have." (Word limit: 100--150 words).
3. You are Akruti, write a letter to your friend asking her about her health and telling her about necessary preventive measures that needs to take as she is a positive case of Covid -19. Express how a positive mindset can help her win over this virus. (100-120 words)

### **Dictionary Task**

Refer the dictionary and write the meaning of the difficult words from the chapters given above of 'Footprints without feet.