



## **Diwali Break Assignment: Class-X**

### **Subject - English**

*Let this Diwali be celebrated not with noisy crackers but with your illuminating deeds.*

1. Gather information about Aarogya Setu App. Learn about how it works efficiently in tracing the COVID-19 infection. Consider yourself the brand ambassador of Aarogya Setu App. Prepare a 2-3minute video explaining its importance and encouraging citizens to make use of it. Send the video on the WhatsApp number of your Subject teacher on 18<sup>th</sup> November 2020.
2. Write an article on '**Should Burning Firecrackers be Banned**' in 100-120 words in your fair English Notebook.

### **Hindi**

१. कोरोना काल में कैसे दीपावली मनाएँ तथा आपने कैसे दीपावली मनाई इस पर अपने विचार प्रस्तुत करते हुए दो से तीन मिनट का वीडियो बनाइए | ( नोट: वीडियो की लिंक WHATSAPP में भेजना है )
२. दीपावली पर पटाका फोड़ना उचित है या अनुचित इस पर वाद विवाद तैयार कीजिए |  
( नोट : वाद - विवाद पक्ष तथा विपक्ष दोनों पक्षों में तैयार करना है। )

### **Biology**

- Complete the copy work of bio and chemistry and submitted on or before 21 November 2020.
- Make a project work on any three andolans made by common people to save the environment. (Project must not exit 500 words.)

### **Physics**

- List four characteristics of the images formed by plane mirrors.
- Draw a ray diagram to show the path of the reflected ray corresponding to an incident ray which is directed parallel to the principal axis of a convex mirror. Mark on it the angle of incident and the angle of reflection.
- A spherical mirror produces an image of magnification -1 on a screen placed at a distance of 50 cm from the mirror.
  - (a) Write the type of mirror.
  - (b) Find the distance of the image from the object.
  - (c) What is the focal length of the mirror?
  - (d) Draw the ray diagram to show the image formation in this case.
- Draw the ray diagram and also state the position, the relative size and the nature of image formed by a concave mirror when the object is placed at the centre of curvature of the mirror.
  - What is the magnification of a plane mirror?
  - What is the radius of curvature of plane mirror?
  - Why paper catches fire when a convex lens is used to focus sunlight?
  - What is silvering of mirror?
  - What is refractive mirror?
  - The magnification produced by a plane mirror is +1. What does it mean?

## Subject – Social Science

- Take some branded products that we use every day (soaps, toothpaste, garments, electronic goods, etc.). Check which of these are produced by MNCs.
- Take any Indian industry or service of your choice. Collect information and photographs from newspapers, magazine clippings, books, television, internet, interviews with people on the following aspects of the industry:
  - a) Various producers/companies in the industry
  - b) Is the product exported to other countries?
  - c) Are there MNCs among the producers?
  - d) Competition in the industry
- Problems that people in the industry face.

## Maths

**(Assignment to be done in the Lab Manual or Prepare a File)  
(Art Integrated Paper Cutting Activity)**

- Activity No.1: Find the H.C.F. of two number based on Euclid division lemma experimentally by paper cutting activity.

### **(Graph Paper Activity)**

- Activity No.2: To verify the condition of intersecting, coincide and parallel lines for a pair of linear equations in two variables by drawing the lines on a graph paper.
- **Note:** - (1) The images/pdf of the completed assignment must be forwarded/uploaded to Maths group WhatsApp number along with your name and class.
- (2) As per the C.B.S.E. guidelines, marks of these assignments will be considered for your internal assessment which consist of 20 marks.
- (3) For any assistance/guidance regarding the above assignment you may consult me.

## Physical Education

- Activity: Surya Namashkar

Note: Send the Video of the same to Mr. Pankaj Mishra (8989403099). Video duration should not exceed 1 Minute 30 Seconds.