

## SAINIK SCHOOL BALACHADI

(2016-17)

### DIWALI VACATION HOMEWROK

CLASS: X

#### ENGLISH

1. NOTICE: The Environment Society of your school under the aegis of Nature Club is observing a 'Ban Plastic Week' in the school. Different activities (like painting competitions, poster making, debates and speeches on the topic) will be spread over the week. Write a notice for the Notice-Board of your school and sign yourself as the President of the Club. Put the notice in a box. Do not exceed 50 words.
2. SPEECH: You feel that computers, TV, etc., have snatched books from children. You feel that there is no alternative to a good book. Write a speech (in your answer sheet) to be delivered on the occasion of the celebration of Library Week on 'REVIVING THE HABIT OF READING' in not more than 200 words.
3. LETTER TO THE EDITOR: You were not surprised when your friend Edmund's brother, an engineer, wrote that he had settled in America and did not want to return to India. But you are certainly concerned about this brain drain. You want to convey your concern to the youth. Write a letter to the editor of a newspaper registering your protest and also telling how 'East or West, home is the best.' You may refer to the Unit on 'Education'. (Word limit: 150-200 words)
4. REPORT: Imagine that you happened to witness an accident when you were in Missouri last week. In this accident, a bus collided head on with a truck and the bus fell into a gorge. Now, as a reporter of The Times of India, write a brief report to be published in your daily. Sign yourself as Raghuvir. (Word limit- 50 words)
5. MESSAGE: The students of St. Martin's School are being taken on a picnic to 'Green Resort'. You are Raghu. Your friend, Ravi, was absent on the previous day of the picnic when a few instructions were given. Using the information given below, draft a message to your friend in not more than 50 words. Put the message in a box.
  - Reach school at 9 a.m.
  - Carry your lunch, water bottle, sweater
  - Be in uniform but can wear comfortable sandals
  - Do not carry more than Rs. 50
  - Expected back at 6 p.m.

#### HINDI

१. पढ़ाए गए सभी रसों के दो-दो उदाहरण लिखिए।
२. वाक्य भेद दो-दो उदाहरण के साथ स्पष्ट कीजिए।
३. रचना के आधार पर वाक्य भेद दो-दो उदाहरण के साथ स्पष्ट कीजिए।

## **MATHEMATICS**

- 1- Collect 50 pictures or photos in which Mathematical Figures or Mathematical Theories are used from different resources such as Old Newspapers or Magazines such as Bank or Construction spots etc. It should be done in the File papers neatly.
- 2- Draw a picture of any Mathematician with pencil and colors.

## **SCIENCE**

### PHYSICS

1. Draw the ray diagram for the Image formation by the Concave mirror.
2. Make a summary for the Image formation by concave mirror on the basis of following points  
(a) Position of the Object (b) Position of Image (c) Nature of Image (d) Size of image.
3. Write four uses of Concave mirror.

### CHEMISTRY

1. Write the difference between diamond and graphite
2. What are homologous series of organic compounds? List any two characteristics of homologous series
3. Distinguish between the ionic and covalent compounds
4. Write the names and formula of different organic functional groups

### BIOLOGY

1. Explain the asexual reproduction in animals in detail.

## **SOCIAL SCIENCE**

Explain the following in minimum 3 pages and use picture and statics

1. Types and nature of climate related natural disasters in India.
2. History of natural disasters in India from 1950 onwards.
3. What are the response system of government when a natural disaster strikes on area?