## SRI RAM KRISHAN DAV PUBLIC SCHOOL, SURIYA Summer Vacation Holiday Homework (Class X) 2025-26

# <u> विषय – हिंदी</u>

- (१) पोर्टफोलियो बनाएं।
- (२)चार अनौपचारिक तथा चार औपचारिक पत्र लिखें।
- (३) ' स्वच्छ भारत ' तथा ' जल संरक्षण ' पर विज्ञापन तैयार करें।
- (४)अपने किसी यात्रा का वर्णन करते हुए अपनी यात्रा वृतांत लिखें।

## Subject: IT

- 1. Explain the Communication process along with all the communication elements.
- 2. List the various methods of communication.
- **3**. Describe the different types of verbal communication.

## Subject: English

- 1. <u>Answer the questions in long answer</u> <u>type:</u>
- a) Write the story of Lencho's faith in God.
- b) Why did Lencho need God's help?
- c) Give the Character sketch of Nelson Mandela.
- d) What does Mandela say about the policy of Apartheid?
- e) Write the critical appreciation of the Poema) Fire and Ice b) Dust of Snow.
- f) How does the poet contrast the tiger in the cage with the tiger in the forest?

### Subject: Science

### **Physics**

- 1. An object 4 cm high is placed 40 cm in from of a concave mirror of focal length 20 cm. find the distance from the mirror, at which a screen be placed to obtain a sharp image.
- 2. A convex lens has focal length of 30 cm. at what distance should object be placed from the lens so that it forms an image at 60 cm on other side of the lens? Find the magnification produced by the lens.
- 3. An arrow 2.5cm high is placed at a distance of 25 cm from a diverging mirror of focal length 20 cm. find the nature, position and size of the image formed
- 4. The image formed by a convex mirror of focal length 30 cm is a quarter of the object, what is the distance of object from the mirror?

- 4. Explain Non-Verbal and Visual Communication and their importance.
- 5. Identify different types of Non-Verbal Communication.
- 6. What are the various cause of Stress? Explain with examples.
- 2. As the Music teacher of your school, place an order for school musical instrument to the nearest Music shop.
- 3. The A.C you bought has started giving trouble and is making a loud noise. Write a letter to the A.C. dealer about the same and request him to replace the A.C at the earliest. Invent details on your own. You are Karan /Kabita.
- 4. Write the use of Determiners with appropriate example in A4 Page. (PROJECT WORK)
- 5. An erect image 3 times the size of the object is obtained with a concave mirror of radius of curvature 36 cm. calculate the position of the object.
- 6. A concave lens has focal length of 15 cm. at what distance should an object be placed from the lens so that if forms an image at 10 cm from the lens? Find the magnification of the lens.
- 7. A 2 cm tall object is placed perpendicular to the principal axis of a convex lens of focal length 10 cm. the distance of the object from the lens is 15 cm. find the nature, position and size of the image.
- 8. The image obtained with a convex lens is erect and its length is 4 times the length of the object. If the focal length of the lens is 20 cm, calculate the object and image distance.

9. A concave lens of focal length 25 cm and a convex lens of focal length 20 cm are placed in contact with each other. What is the power of this combination? What is the focal length of the combination?

#### **Chemistry:**

#### Question and Answer of NCERT Book below

- 1. Chapter-1(Chemical Reaction & Equations)
- 2. Chapter-2(Acid Bases and Salt)

#### **Biology:**

- 1. Complete the ncert textbook intext questions from topic nutrition and respiration.
- 2. Prepare any 10 questions of your own from the two subtopics (nutrition and respiration) and solve it in your biology notebook.
- 3. Practice the following diagrams:
  - a. Human Digestive System
  - b. Human Respiratory System
  - c. Representation of Glucose breakdown pathway through aerobic and anaerobic process.
  - d. Mechanism of inhalation and exhalation.

#### Maths:

- 1. REAL NUMBERS
- 2. POLYNOMIALS

3. A PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

4. MAKE A PORTFOLIO ON ANY INDIAN MATHEMATICIAN.

#### SST:

1. Prepare a project on 'Role on waterways and airways in Post World war II : World and India'

2. Prepare 25 internal questions from Ch ' The rise of Nationalism in Europe's and write their answers in the note copy.

10. Find the focal length and nature of lens which should be placed in contact with a lens of focal length 10 cm so that the power of the combination becomes 5 dioptre.