

# ST. XAVIER'S SR. SEC. SCHOOL

Divine Nagar | Vidyanagar | Kaluahi

## HOLIDAY HOMEWORK 2024

Class-X (Ten)

### INSTRUCTIONS:

All students must try to complete as much work as possible to enhance their reading-writing skills and knowledge. Make sure that you perform physical activities everyday and enjoy the summer vacation with your family and friends. Be safe and stay healthy.

### English:

- Assignment:- Glimpses of India
- Summarise the Poem:- 01)Dust of snow, 02)Fire and Ice, 03)A Tiger in the Zoo.
- Work\_Book:- Section-A (Reading Skills) =Assignment 01 & 02.
- Work\_Book:- Section-B (Grammar Skills) =Assignment 07 & 09.
- Work\_Book:- Section-C (Writing Skills) =Assignment 13.
- Work\_Book:- Section-D (Literacy Skills) =Assignment 19.

**Hindi:** क्षितिज गद्य भाग से: Lesson: 3 & 4(शब्दार्थ) लिखना तथा याद करना है।; क्षितिज पद्य भाग से: Lesson: 9 & 10(शब्दार्थ) लिखना तथा याद करना है।; व्याकरण: पद परिचय के आवश्यक तथ्य को लिखना तथा याद करना है।; Assignment: लक्ष्मण परशुराम संवाद का जो अंश आपको सबसे अच्छा लगता है उसे अपने शब्दों में संवादशैली में लिखिए।; Project: मनुष्य के जीवन में आस पड़ोस का महत्व होता है, परंतु महानगरों में रहने वाले प्रायः पड़ोस कल्चर से वंचित रह जाते हैं।इस बारे में अपने विचार लिखिए।

**Mathematics;** Topics-Chapter\_03 (Pair of linear equation in two variables).

- Table - 3.1 , Ex\_3.1 , Ex\_3.2 , Ex\_3.3.
- Chapter - 4 (Quadratic Equations) Ex\_4.1 , Ex\_4.2 , Ex\_4.3.
- Chapter - 5 (Arithmetic Progressions) General term of an A.P. Ex\_5.1 , Ex\_5.2.
- Chapter - 6 (Triangles) Similar Figures- Ex\_6.1 , B.P.T and converse of B.P.T- Ex\_6.2
- Internal Assessment- Lab activity - 4(Pg No-22)

### Science;

#### Physics

- What is refraction of light? [with diagram]
- What is refraction of light? [with diagram]
- State laws of reflection. [with diagram]
- State laws of refraction. [with diagram]
- Make ray diagrams for image formation by a Convex lens in six different positions of the object.
- Write uses of Concave mirrors.
- An object whose height is 8cm is placed before a Convex lens at a distance of 12cm whose focal length is 10cm.Find the position,nature and size of image.
- Make a table showing the refractive index of various substances.
- Do activity 5-A - To determine the equivalent resistance of two resistors when connected in series.

#### Chemistry

Topics - Lesson-2 (Acid , Bases and Salts)

- Properties of Acids , Bases(Physical properties and Chemical properties)

- b) Reaction of Acids with metals.
- c) PH\_Scale and PH values of Acids and Bases.
- d) Importance of PH value.
- e) Properties and uses of salts, Sodium Carbonate, Sodium Hydrogen Carbonate, Calcium Oxychloride, Calcium Sulphate Hemihydrate. Internal Assessment - Lab Activity Experiment - 2 (Pg No\_24)

### **Biology**

- a) Explain nutrition in Amoeba.
- b) Explain the process of digestion in human beings with a labelled diagram.
- c) Explain the functioning of the heart with a diagram.
- d) How are alveoli suitable for gaseous exchange?
- e) Why do Herbivores have longer small intestines than Carnivores?
- f) Make diagrams of stomata and show their closing and opening.
- g) Explain transportation of water in plants through Xylem tissue.
- h) Do activity (7):- To show CO<sub>2</sub> is given out during respiration.

### **Social Science;**

Assignment:-

- 01) On Outline map of Europe. Show the empires of Europe on a chart paper.
- 02) On the same chart paper, Show the Nation\_State formed in 20th century Europe.

Project:-

- 01) Create a model of Rainwater harvesting.

Do the Fair:-

- 01) Lesson - 1(History). The Rise of Nationalism in Europe.

Map Work: In the Map Book, Show- (Locate and Label)

- 01) Major soils of India
- 02) Dams of India.

Read:

- 01) Sectors of the Indian Economy.
- 02) Water Resources.
- 03) Gender, Religion and Caste.
- 04) Print culture and The Modern World.