CLASS X SCIENCE HOLIDAY ASSIGNMENT

(2025-26)

Biology

Topic: Life Processes

A. Journal Completion

Instruction to students:

1.Complete the following experiments in your Biology journal.

Experiment 1: Preparing a temporary mount of a leaf peel to show stomata.

Experiment 2: Experimentally show that carbon dioxide is given out during respiration.

a)Use a blue and black pens only and maintain proper margins and headings.

b)Ensure your work is neat and complete.

c)Write the aim, materials required, procedure, observation, result, and draw neatly labelled diagrams for both the experiments.

d)Submit the Biology journal by 10th August, 2025.

B. <u>Worksheet Completion</u>

Instructions:

1.Complete the worksheet of the chapter “Transportation and Excretion” neatly on an A4 sheet paper.

2.Use only blue and black pens.

3.Make sure your handwriting is neat and the content is well-organised.

4.Submit it on 10th August, 2025.

CHEMISTRY

JOURNAL WORK-

Complete the following experiments in your Chemistry journal

1) Types of chemical reactions
2) pH of samples
3) Properties of acids and bases
4) Reactivity of Metals
5) Properties of acetic acid
6) Cleansing capacity of Soap in Hard and Soft water

PHYSICS

JOURNAL WORK-

1. Refraction through glass slab
2. Focal length of concave mirror and convex lens
3. Refraction through prism
4. Ohm’s law
5. Resistors in series
6. Resistors in parallel

Art Integrated Learning and Project Work

Topic- Model making- Ray diagram of concave mirror or convex lens

Guidelines for the Art-Integrated Project Work:-

a) The project should be taken up in an eco-friendly manner, using readily available local resources.

b) The project can be done individually or as group.

c) Students will design and construct an innovative 3D model demonstrating any one ray diagram of either a concave mirror or a convex lens, using materials of their choice such as cardboard, string, straws, mirrors, lenses, beads, or craft supplies. The aim is to integrate artistic expression with scientific understanding by visually representing how light rays reflect or refract to form images.

d) As this project need to be uploaded in the CBSE website, the project should be done with utmost care.

e) Evaluation criteria: Originality, Presentation, Content, Creativity, Punctuality.

Submission Date: Submit your assignments by the 2nd week of August 2025

Thank you