



# Loreto Convent Intermediate College

Lucknow

## SUMMER VACATION HOLIDAY HOMEWORK 2025

### CLASS – XI

### SUBJECT – BIOLOGY

**PRACTICAL WORK – (To be done in Nootan file)**

**Draw the diagrams and write the comments/ points of identifications**

#### Physiology

- Food tests: test for starch, glucose, sucrose, proteins and fats.  
Food tests: tests should be reported in tabular form.
- Demonstration of plasmolysis (using Rhoeo leaf / onion bulb).
- Demonstration of osmosis in living plant cells (potato osmoscope).

#### Cytology

- T.S. of monocot and dicot stem.
- T.S. of monocot and dicot root.

**PROJECT WORK-** (To be done on interleaf punch papers) Format of the Project:

- Index
- Introduction
- Presentation (graphs, tables, charts, newspaper cuttings, handmade diagrams, photographs, statistical analysis if relevant)
- Conclusion/ Summary
- Bibliography Projects should be handwritten by the candidate.

**The written pages should not exceed 15-20 pages.**

**Prepare a power point presentation on the following chapters. (As per the board syllabus)**

- Cell - the Unit of Life
- Cell Cycle and Cell Division

**Links of videos for reference are provided below**

URL - <https://youtu.be/s0oUffcDQLQ?si=aiV9xGGdXpxf6Xo7>

URL - <https://youtu.be/HyJ86mS2Nao?si=9IzKgmM6nfrNyxah>

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