



Loreto Convent Intermediate College

Lucknow

SUMMER VACATION HOLIDAY HOMEWORK 2026-27

CLASS – XI

SUBJECT – BIOLOGY

PRACTICAL WORK – (To be done in Nootan file)

Draw the diagrams and write the comments/ points of identifications

Physiology

i. Food tests: test for starch, glucose, sucrose, proteins and fats.

Food tests: tests should be reported in tabular form.

ii. Demonstration of plasmolysis (using Rhoeo leaf / onion bulb).

iii. Demonstration of osmosis in living plant cells (potato osmoscope).

Cytology

i. T.S. of monocot and dicot stem.

ii. T.S. of monocot and dicot root.

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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 <https://youtu.be/s0oUffcDQLQ?si=aiV9xGGdXpxf6XoZ>
<https://youtu.be/HyJ86mS2Nao?si=9IzKgmM6nfrNyxah>

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