



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: BIOLOGY

Term: First

Name of the Subject Co-ordinator: Ms. Shreya Basu

Name of the Book: Nootan ISC BIOLOGY – V. Singh, D.K. Jain, Ajay Kumar Bhattacharya (Nageen Prakashan Pvt. Ltd., 2025-26 Edition) [I 11= Abbreviation]

No. of Working Days: 100

No. of Periods Available: 47

Class: 11 Section: A

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|---------------------------------------|-------------------------------------|--|---|---|--|
| APRIL | 12 | Ch 8: Cell: The Unit of Life (Pg 245-288) [I 11] | Cell Theory and Cell Organelles | Explanation, Discussion and Notes to be given on relevant topics (Pg 245-288) [I 11] | Diagram of Cell organelles for explanation |
| MAY | 09 | Ch 10: Cell Cycle and Cell Division (Pg 331-352) [I 11] | Phases of Cell Cycle, Detailed study of Stages of Mitosis and Meiosis | Explanation of Phases of Cell Cycle; Diagrams and Notes on comparison of Mitosis and Meiosis, Cytokinesis in Plants and Animals (Pg 331-352) [I 11] | Demonstration of stages of cell division by observing permanent slides from archive under microscope |
| JUNE | 08 | Ch 9: Biomolecules (Pg 289-330) [I 11] | Structure and Types of Biomolecules | Explanation, Discussion and Notes to be given on relevant topics (Pg 289-330) [I 11] | Charts on Types of Biomolecules and Enzymes for explanation |
| <u>First Term</u> <u>Unit Test</u> | <u>Syllabus</u> <u>Chapter 8</u> | Ch 1: The Living World (Pg 3-26) [I 11] | Diversity in Living World, Taxonomy and Taxonomical Aids | Discussion on Binomial Nomenclature, Linnean Hierarchy (Pg 3-26) [I 11] | Specimens from archive for explaining Taxonomical aids |
| JULY | 18 | Ch 2: Biological Classification (Pg 27-78) [I 11] | Five Kingdom Classification of Whittaker, 1969 | Explanation and Notes on Five Kingdom Classification of Whittaker (Pg 27-78) [I 11] | Specimens from archive for explanation |
| | | Ch 3: Plant Kingdom (Pg 79-102) [I 11] | Algae, Bryophyte, Pteridophyte and Gymnosperm – Basis of Classification, Levels of Organisation | Discussion and Notes on comparison of different Plant Groups (Pg 79-102) [I 11] | Specimens from archive and samples for explanation |
| | | Ch 4: Animal Kingdom (Pg 103-139) [I 11] | Animal Classification (Invertebrates and Vertebrates) | Discussion and Notes on comparison of different Animal Groups; explanation, discussion and notes on relevant topics (Pg 103-139) [I 11] | Specimens of Invertebrate and Vertebrate from archive for explanation |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Shreya Basu
21/4/25

Submitted on: 13-5-25
21.04.2025

Academic Co-ordinator: Soumuk Chatterji

PRINCIPAL

[Signature]

VICE PRINCIPAL

[Signature]



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: BIOLOGY

Term: First and Second

Name of the Subject Co-ordinator: Ms. Shreya Basu

Name of the Book: Nootan ISC BIOLOGY – V. Singh, D.K. Jain, Ajay Kumar Bhattacharya (Nageen Prakashan Pvt. Ltd., 2025-26 Edition) [I 11= Abbreviation]

No. of Working Days: 100 and 92

No. of Periods Available: 24 + 11

Class: 11 Section: A

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|--|---|---|--|---|--|
| AUGUST | 17 | Ch 5: Morphology of Flowering Plants (Pg 143-184) [I 11] | Root, Stem, Leaves, Flowers, Fruits and Floral formula | Explanation and discussion of plant parts with characteristics and examples (Pg 143-184) [I 11] | Demonstration with plant parts for explanation |
| | | Ch 6: Anatomy of Flowering Plants (Pg 185-217) [I 11] | Plant Tissue, Structural Organization of Plant Tissue in different plant parts | Explanation and Notes on Types of Plant Tissue and important diagrams (Pg 185-217) [I 11] | Activity of plant part dissection for explanation |
| | | Ch 7: Structural Organisation in Animals (Frog) (Pg 219-242) [I 11] | Morphology and Anatomy of Frog | Diagrams and Notes on Morphology and Anatomy of Cockroach (Pg 219-242) [I 11] | Diagram of Frog for explanation |
| SEPTEMBER <u>First Term Exam starts from 15.09.25</u> | 07 <u>First Term Exam ends on 26.09.25</u> | REVISION (Pg 3-139, 143-217, 219-242 and 245-352) [I 11] | Revision of Chapters 1-10 <u>SYLLABUS OF FIRST TERM - CHAPTERS 1- 10</u> | Question-Answer Discussion and Doubt clearing (Pg 3-139, 143-217, 219-242 and 245-352) [I 11] | Worksheets |
| OCTOBER <u>Second Term begins on 07.10.25</u> | 11 | Chapter 19: Chemical Coordination and Integration (Pg 631-668) [I 11] | Human Endocrine System, Mechanism of Hormone action and Endocrine Disorders | Explanation, Discussion, Diagram and Notes on relevant topics (Pg 631-668) [I 11] | Activity to identify Endocrine glands in human body |
| | | Chapter 11: Photosynthesis in Higher Plants (Pg 355-392) [I 11] | Phases of Photosynthesis and Photophosphorylation, Photorespiration, C₃ and C₄ pathways | Explanation, Discussion and Notes on the relevant topics (Pg 355-392) [I 11] | Model of leaf from archive for explaining photosynthesis and hand-drawn C ₃ and C ₄ pathways for explanation |
| | | <u>Guidelines and details of project will be given to the students. Project will be completed as Holiday Homework.</u> | | | |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.
Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Shreya Basu
21/4/25

Submitted on: 13.5.25
21.04.2025

Academic Co-ordinator: Soumak Chatterji

Principal
PRINCIPAL

VICE PRINCIPAL R. H. S.



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2025-2026



Subject: BIOLOGY

Term: Second

Name of the Subject Co-ordinator: Ms. Shreya Basu

Name of the Book: Nootan ISC BIOLOGY – V. Singh, D.K. Jain, Ajay Kumar Bhattacharya (Nageen Prakashan Pvt. Ltd., 2025-26 Edition) [I 11= Abbreviation]

No. of Working Days: 92

No. of Periods Available: 43

Class: 11 Section: A

| MONTH | NO. OF PERIODS | LESSONS | TOPICS COVERED | CLASS WORK | TEACHING AIDS |
|---|--|--|--|--|---|
| NOVEMBER <u>Project Submission</u> <u>Date 28.11.25</u> | 14 | Chapter 12: Respiration in Plants (Pg 393-416) [I 11] | Cellular Respiration (Aerobic and Anaerobic) and Respiratory Quotient | Explanation and Discussion and on Phases of Aerobic Respiration (Pg 393-416) [I 11] | Hand-drawn Cellular respiration for explanation |
| | | Chapter 15: Body Fluids and Circulation (Pg 487-524) [I 11] | Blood groups, Human Circulatory System, Cardiac Cycle and Disorders of the Circulatory System | Explanation, Discussion, Diagram and Notes on relevant topics (Pg 487-524) [I 11] | Diagram of Heart for explanation |
| | | Chapter 14 Breathing and Exchange of Gases (Pg 459-485) [I 11] | Human Respiratory System, Breathing mechanism, Exchange of Gases and Disorders of Respiratory System | Explanation, Discussion and Diagram on relevant topics and Notes on Exchange and Transport of gases (Pg 459-485) [I 11] | Diagram of Respiratory System for explanation, Activity to explain breathing processes |
| DECEMBER | 11 | Chapter 16: Excretory Products and their Elimination (Pg 525-550) [I 11] | Human Excretory System, Urine formation and Excretory Disorders | Explanation, Discussion, Diagram and Notes on relevant topics (Pg 525-550) [I 11] | Diagram of Excretory System for explanation |
| | | Chapter 17: Locomotion and Movement (Pg 551-582) [I 11] | Skeletal Muscle and System; Joints and Skeletal Disorders | Explanation, Discussion, Diagram and Notes on relevant topics (Pg 551-582) [I 11] | Human skeleton from archive used for explanation, Activity to identify joints in Human body |
| JANUARY | 12 | Chapter 18: Neural Control and Coordination (Pg 583-604 and 615-630) [I 11] | Human Nervous System, Generation and conduction of Nerve impulse and Sensory perception | Explanation, Discussion, Diagram on relevant topics (Pg 583-604 and 615-630) [I 11] | Diagram of Eye and Ear from archive for explanation |
| | | Chapter 13: Plant Growth and Development (Pg 417-456) [I 11] | Phases and Conditions of Plant Growth, Growth Regulators, Photoperiodism and Vernalization | Explanation, Discussion and Notes on relevant topics (Pg 417-456) [I 11] | Simple activities to explain function of Growth regulators |
| FEBRUARY <u>Second Term Exam starts from 16.02.26</u> | 06 <u>Second Term Exam ends on 27.02.26</u> | REVISION of CHAPTERS 1-19 (Pg 3-139, 143-217, 219-242, 245-352, 355-456, 459-485, 487-604, 615-668) [I 11] | REVISION of CHAPTERS 1-19 <u>SYLLABUS OF SECOND TERM – CHAPTERS 1-19</u> | Question-Answer Discussion and Doubt clearing (Pg 3-139, 143-217, 219-242, 245-352, 355-456, 459-485, 487-604, 615-668) [I 11] | Worksheets |

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Shreya Basu
21/11/25

Submitted on: 13.5.25
21.04.2025

Academic Co-ordinator: Soumak Chatterji

R
PRINCIPAL

VICE PRINCIPAL Raj