



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. Shaista Ahmed

Name of the Book: CONCISE BIOLOGY – I.C.S.E. Part – II (Revised and Enlarged) By H.S. Vishnoi (Selina Publishers Pvt. Ltd., Revised Edition November 2024) [CB 10 = Abbreviation]

No. of Working Days: 103

No. of Periods Available: 20

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	08	UNIT 1: Basic biology Ch 2. Structure of Chromosomes, Cell Cycle and Cell Division (Pg 9-23) [CB 10]	Chromosomes, Cell Cycle and cell Division	Explanation of Cell Cycle and Cell division, Structure of chromosomes (Pg 9-19) [CB 10], Discussion of the back exercise MCQs, SAQs and LAQs (Pg 20-23) [CB 10]	Charts of Cell Cycle Stages and slides of mitosis in onion
MAY	06	Ch 3. Genetics - Some Basic Fundamentals (Pg 24-39) [CB 10]	Genetics - Mendel's Laws of Inheritance and Sex-linked Inheritance of diseases	Explanation of Mendel's laws of inheritance and notes on sex linked inheritance of diseases (Pg 24-35, 39) [CB-10], Discussion of the back exercises MCQs, SAQs and LAQs (Pg 36-38) [CB 10]	Charts showing Monohybrid and Dihybrid cross
		UNIT 2: Plant Physiology Ch 5. Transpiration (Pg 58-71) [CB 10]	Transpiration – Demonstration, Measurement, Types, Mechanism, Factors, Adaptation and Significance; Guttation and Bleeding	Explanation of Transpiration, Guttation and Bleeding (Pg 58-67) [CB 10], Discussion of the back exercises MCQs, SAQs and LAQs (Pg 67-71) [CB 10]	Demonstration of Transpiration using a potted plant
JUNE <i>First Term Unit Test begins from 23.06.2025</i>	06 <i>Syllabus Chapter 2</i>	Ch 4. Absorption by Roots -The Processes involved (Pg 40-57) [CB 10]	Absorption by roots; Imbibition; Diffusion and Osmosis; Osmotic Pressure; Root Pressure; Turgidity and Flaccidity; Plasmolysis and Deplasmolysis, Absorption of water and minerals; Active and Passive Transport; Rise of water up to the xylem; Forces responsible for Ascent of Sap	Explanation of the phenomenon of Imbibition, Diffusion, Osmosis, Turgidity and Flaccidity, Plasmolysis and Deplasmolysis, Discussion on Absorption of water and minerals and Ascent of Sap (Pg 40-53) [CB 10], Discussion of the back exercises MCQs, SAQs and LAQs (Pg 54-57) [CB 10]	Diagram of a root hair and Experiments on osmosis using resins and grapes

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. *Shanya Basu* 2. *Shaista Ahmed* 3. *Belvin J. Palu*

Submitted on: 21.04.25

Academic Co-ordinator: *K. Banerjee*

PRINCIPAL

VICE PRINCIPAL



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. Shaista Ahmed

Name of the Book: CONCISE BIOLOGY – I.C.S.E. Part – II (Revised and Enlarged) By H.S. Vishnoi (Selina Publishers Pvt. Ltd., Revised Edition November 2024) [CB 10 = Abbreviation]

No. of Working Days: 103

No. of Periods Available: 27

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JULY	11	Ch 6. Photosynthesis (Pg 72-86) [CB 10]	Chlorophyll; Photosynthesis – Regulation, Process, Adaptation, Products, Factors, Importance and Experiments; Carbon cycle	Explanation of Photosynthesis – Regulation, Process, Adaptation, Products, Factors, Importance and Experiments (Pg 72-81) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 82-86) [CB 10]	Flowchart on Light and Dark reaction and Experiment on photosynthesis using <i>Hydrilla</i> plant
		Ch 7. Chemical Coordination in Plants (Pg 87-95) [CB 10]	Plant Hormones – Site of synthesis and Functions, Tropic movements in plants	Explanation of Plant Hormones and Tropic movements, Notes on role of growth regulators (Pg 87-92) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 93-95) [CB 10]	Chart of tropic movements in plants
AUGUST	11	UNIT 3: Human Anatomy and Physiology Ch 8. The Circulatory system (Pg 96-119) [CB 10]	Circulatory system - Blood and Lymph, Structure and working of the Heart, Blood vessels, Blood circulation, Lymphatic system A brief idea of Excretory organs,	Explanation of Blood and Lymph, Structure and working of the Heart, Blood vessels, Blood circulation, Lymphatic system (Pg 96-114) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 115-119) [CB 10]	Model and labelled diagram of Heart and Blood vessels
		Ch 9. The Excretory system (Pg 120-130) [CB 10]	Parts of the Urinary system, Structure and Function of Kidneys and Blood vessels associated with Kidneys	Explanation of Excretory organs, Parts of the Urinary system, Structure and Function of Kidneys and Blood Vessels associated with Kidneys (Pg 115-122) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 123-125) [CB 10]	Labelled diagram of Human kidneys
SEPTEMBER	05	REVISION (Pg 9-130) [CB 10]	Revision of Chapters 2-9 <u>SYLLABUS OF FIRST TERM – CHAPTERS 2, 3, 4, 5, 6, 7, 8 and 9</u>	MCQs, SAQs and LAQs Discussion (Pg 9-130) [CB 10]	Diagrams, Charts
<u>First Term Exam begins on 15.09.25</u>		<u>First Term Exam ends on 26.09.25</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 2. Shaista Ahmed 3. Balini J. Palu

Submitted on: 21.04.25

Academic Co-ordinator: K. Banerjee

PRINCIPAL

VICE PRINCIPAL



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. Shaista Ahmed

Name of the Book: CONCISE BIOLOGY – I.C.S.E. Part – II (Revised and Enlarged) By H.S. Vishnoi (Selina Publishers Pvt. Ltd., Revised Edition November 2024) [CB 10 = Abbreviation]

No. of Working Days: 50

No. of Periods Available: 18

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
OCTOBER <i>Second Term starts from 07.10.25</i>	08	Ch 10. The Nervous System (Pg 131-146) [CB 10]	Neuron, Nerves, Major divisions of Nervous System, Peripheral Nervous System and Reflexes	Explanation of the concepts, Diagram of (Pg 131-142) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 143-146) [CB 10]	Labelled diagram of Neuron and Brain. Activity on Unconditioned Reflexes
		Ch 11. Sense Organs (Pg 147-161) [CB 10]	Eyes, Common defects of the Eye, Ears	Explanation of the concepts (Pg 147-156) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 157-161) [CB 10]	Labelled Diagram of Human Eye and Ear, Chart on Common Defects of Eye
		Ch 12. The Endocrine System (Pg 162-176) [CB 10]	General properties of Hormones, Endocrine Glands and Control of Hormonal secretions	Explanation of the concepts (Pg 162-171) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 172-176) [CB 10]	Flowchart on Control of Hormonal secretions
		Ch 13. The Reproductive System (Pg 177 -195) [CB 10]	Reproductive System, Menstrual Cycle, Fertilization, Placenta and Parturition	Explanation of the concepts, Diagram of Male and Female Reproductive System (Pg 177-191) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 192-195) [CB 10]	Labelled diagrams of Male and Female Reproductive System
NOVEMBER <i>Second Term Unit Test begins on 17.11.2025</i> <i>Practical Submission Date – 03.11.2025</i>	08 <i>Syllabus Chapter 10</i>	UNIT 4: Human Evolution Ch 14. Human Evolution (Pg 196-205) [CB 10]	Evolution, Theories of Evolution and Human Evolution	Explanation and discussion of the concepts (Pg 196-203) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 204 -205) [CB 10]	Tabular chart of Time scale of Human Evolution
		UNIT 5: Population Ch 15. Population- The Increasing Numbers and Rising Problems (Pg 206-219) [CB 10]	Population Explosion in India, Need for adopting control measures, Population control	Explanation of Factors responsible for Population explosion and Methods of contraception (Pg 206-216) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs [Pg 217-219] [CB 10]	Labelled Diagram of Vasectomy and Tubectomy
		UNIT 6: Pollution Ch 16. Pollution - A Rising Environmental problem (Pg 220-231) [CB 10]	Types and Sources of Pollution. Biodegradable and Non-biodegradable wastes, Effects of Pollution, Control measures	Explanation of the concepts (Pg 220-228) [CB 10], Discussion of back exercises MCQs, SAQs and LAQs (Pg 229-231) [CB 10]	Chart of Pollutants and it's sources
DECEMBER	02	REVISION (Pg 9-231) [CB 10] <i>Rehearsal Exam begins on 08.12.25</i>	Revision of Chapters 2-16 <i>SYLLABUS OF REHEARSAL EXAM – CHAPTERS 2-16</i>	MCQs, SAQs and LAQs Discussion (Pg 9-231) [CB 10] <i>Rehearsal Exam ends on 19.12.25</i>	Diagrams, Charts

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. *Shreyas Bose* 2. *Shaista Ahmed* 3. *Belvin J. Palu*

PRINCIPAL *[Signature]*

Submitted on: 21.04.25

Academic Co-ordinator: *[Signature]*

VICE PRINCIPAL *[Signature]*