



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



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 2025) [CB 10 = Abbreviation]

No. of Working Days: 38

No. of Periods Available: 22

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
APRIL	09	<b>UNIT 1: Basic biology</b> <b>Ch 2. Structure of Chromosomes, Cell Cycle and Cell Division</b> (Pg 9-23) [CB 10]	<b>Chromosomes, Cell Cycle and cell Division</b>	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	<b>Ch 3. Genetics - Some Basic Fundamentals</b> (Pg 24-39) [CB 10]	<b>Genetics - Mendel's Laws of Inheritance and Sex-linked Inheritance of diseases</b>	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
		<b>UNIT 2: Plant Physiology</b> <b>Ch 5. Transpiration</b> (Pg 58-71) [CB 10]	<b>Transpiration – Demonstration, Measurement, Types, Mechanism, Factors, Adaptation and Significance; Guttation and Bleeding</b>	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	07	<b>Ch 4. Absorption by Roots -The Processes involved</b> (Pg 40-57) [CB 10]	<b>Absorption by roots; Imbibition; Diffusion and Osmosis; Osmotic Pressure; Root Pressure; Turgidity and Flaccidity; Plasmolysis and Deplasmolysis, Absorption of water and mlnerals; Active and Passive Transport; Rise of water up to the xylem; Forces responsible for Ascent of Sap</b>	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. *Shaista Ahmed* 2. *Shreya Bora* 3. *Shikha*

Submitted on: 20.04.26

Academic Co-ordinator: *Chaitali Roy*

*Principals*  
PRINCIPAL

VICE PRINCIPAL *Rajshree*



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27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019

Session Plan/ Syllabus Coverage for the Academic Year 2026-2027



Subject: BIOLOGY

Term: FIRST And REHEARSAL

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 2025) [CB 10 = Abbreviation]

No. of Working Days: 38,49 (1<sup>st</sup> term) +08 (Rehearsal)

No. of Periods Available: 31 - 26(1<sup>st</sup> term) + 05 (Rehearsal )

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
JULY <i>First Term Unit Test begins from 13.07.2026</i>	13 <i>Syllabus Chapter 2</i>	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 <i>First Term Exam begins on 07.09.26</i>	02 <i>First Term Exam ends on 18.09.26</i>	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
	05	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

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Signature of the Co-Teachers: 1. *Shreya* 2. *Shreya Bose* 3. *Shreya*

Submitted on: 20.04.26

Academic Co-ordinator: *Chaitali Roy*

*Principals*

PRINCIPAL

VICE PRINCIPAL

*Principals*



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Subject: BIOLOGY

Term: REHEARSAL

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 2025) [CB 10 = Abbreviation]

No. of Working Days: 08,44

No. of Periods Available: 18

Class: 10

Sections: A, B, C

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
OCTOBER	08	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	10	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
		REVISION (Pg 9-231) [CB 10]	Revision of Chapters 2-16 <u>SYLLABUS OF REHEARSAL EXAM – CHAPTERS 2-16</u>	MCQs, SAQs and LAQs Discussion (Pg 9-231) [CB 10]	Diagrams, Charts
DECEMBER	-	<u>Rehearsal Exam begins on 01.12.26</u>	-	<u>Rehearsal Exam ends on 15.12.26</u>	-

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Kindly mention the chapters included for Terminal Examinations.

Signature of the Co-Teachers: 1. Shreya Banerjee 2. Shreya Banerjee 3. Shreya Banerjee

Principal  
PRINCIPAL

Submitted on: 20.04.26

Academic Co-ordinator: Chaitali Roy

VICE-PRINCIPAL

Principal