

DELHI PUBLIC SCHOOL, JAMMU
SYLLABUS BIFURCATION
SESSION (2023-2024)

CLASS XI

SUBJECT: BIOLOGY (044)

OBJECTIVE OF THE THEORY:

1. The students will be able to read, understand and critically interpret the biological literature.
2. The subject of biology piques intellectual curiosity, increases awareness of the fragile ecosystem.
3. The value of teaching biology should focus on the importance of appreciating the natural world and protecting planet earth.
4. To inculcate scientific attitude and scientific temper in students so that they can understand the prevailing situations, perceive the problems and work scientifically to resolve them

PRACTICAL AIM: Student should be able to test theories developed about biotic and abiotic components by utilizing the scientific method and then to apply the new information in a beneficial way.

S.NO.	MONTH	NAME OF THE LESSON
1	APRIL	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom <ul style="list-style-type: none">• Foundation sheet-For Revision on “The living world”• Activity 1: Taxonomic studies of one plant and animal to understand systematics.
2	MAY	Chapter 4: Animal Kingdom Chapter-5: Morphology of Flowering Plants <ul style="list-style-type: none">• Assignment 1: will be given on the topic Animal kingdom to enable students to: identify members of the Animal Kingdom.• Activity 2: Study five different flowering plant to understand Venation and aestivation.
3	JUNE	Chapter-6: Anatomy of Flowering Plants <ul style="list-style-type: none">• Assignment 2: Discussion and allotment of Investigatory Project allotted by CBSE• Class test1: Topics Biological classification Plant kingdom
4	JULY	Chapter-7: Structural Organization in Animals Chapter-8: Cell-The Unit of Life <ul style="list-style-type: none">• Activity3: Presentation on cell structure and its components

		<ul style="list-style-type: none"> • Foundation worksheet on the topic Animal kingdom for revision
5	AUGUST	<p>Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division</p> <ul style="list-style-type: none"> • Experiential learning: Using the textual information available prepare a PPT on the events occurring during mitosis and meiosis. Assignment 2: on the topic of cell division to make students understand how the process of cell division helps in maintaining a balance between DNA and RNA contents as well as the nuclear and cytoplasmic contents of the cell.
6	SEPTEMBER	<p>Chapter-13: Photosynthesis in Higher Plants</p> <ul style="list-style-type: none"> • Sample Paper and revision Sheet • Kahoot quiz on the topic biomolecules • Activity 4: To make model of structure of DNA.
7	OCTOBER	<p>Chapter-14: Respiration in Plants Chapter-15: Plant - Growth and Development</p> <ul style="list-style-type: none"> • Activity5-Class Test based on MCQ • Kahoot Quiz on the topic respiration in plants.
8	NOVEMBER	<p>Chapter 17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and Their Elimination</p> <ul style="list-style-type: none"> • Activity 6-PPT on the topic blood circulation and excretory system in human beings.
9	DECEMBER	<p>Chapter 20: Locomotion and Movement Chapter 21: Neural Control and Coordination</p> <ul style="list-style-type: none"> • Sample Paper
10	JANUARY	<p>Chapter 22: Chemical Coordination and Integration</p> <ul style="list-style-type: none"> • Sample Paper
11	FEBRUARY	Revision of important topics and practical activities.
12	March	Revision on case based and competency based questions

EXAM SCHEDULE

SYLLABUS OF CYCLE TEST-I

- Chapter-1: The Living World
- Chapter-2: Biological Classification
- Chapter-3: Plant Kingdom

SYLLABUS OF HALF YEARLY EXAMINATION

- Chapter-1: The Living World
- Chapter-2: Biological Classification
- Chapter-3: Plant Kingdom
- Chapter-4: Animal Kingdom
- Chapter-5: Morphology of Flowering Plants
- Chapter-6: Anatomy of Flowering Plants
- Chapter-7: Structural Organisation in Animals
- Chapter-8: Cell-The Unit of Life
- Chapter-9: Biomolecules

SYLLABUS OF CYCLE TEST-II

- Chapter-10: Cell Cycle and Cell Division
- Chapter-13: Photosynthesis in Higher Plants
- Chapter-14: Respiration in Plants
- Chapter-15: Plant – Growth and Development

SYLLABUS FOR FINAL EXAMS

- Chapter-1: The Living World
- Chapter -2: Biological Classification
- Chapter-3: Plant Kingdom
- Chapter 4: Animal Kingdom
- Chapter-5: Morphology of Flowering Plants
- Chapter-6: Anatomy of Flowering Plants
- Chapter-7: Structural Organisation in Animals
- Chapter-8: Cell-The Unit of Life
- Chapter-9: Biomolecules
- Chapter-10: Cell Cycle and Cell Division
- Chapter-13: Photosynthesis in Higher Plants
- Chapter-14: Respiration in Plants
- Chapter-15: Plant - Growth and Development
- Chapter 17: Breathing and Exchange of Gases
- Chapter-18: Body Fluids and Circulation
- Chapter-19: Excretory Products and Their Elimination
- Chapter 20: Locomotion and Movement
- Chapter 21: Neural Control and Coordination
- Chapter 22: Chemical Coordination and Integration

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