

BIOLOGY SYLLABUS
CLASS-XI (2018-19)

FIRST TERM

✓ **APRIL**

- **UNIT 1 : Diversity of Living Organisms –**
 - **The Living World**
 - **Biological Classification**

- **UNIT 3 : Cell : Structure and Function –**
 - **Cell Cycle and Cell Division**

- **Practical – Spotting: Stages of meiosis, Identification of stained preparation**

✓ **MAY**

- **UNIT 3 : Cell : Structure and Function –**
 - **Cell, the Unit of Life**

- **UNIT 2 : Structural Organization in Animals and Plants –**
 - **Morphology of Flowering Plants –root , stem , leaf**
 - **Morphology of Flower, fruit and seed**

- **Practical – Food test for starch, glucose, sucrose, proteins and fats**
- **Practical- Morphology and modification of roots, stems and leaves**

✓ **JUNE**

- **UNIT 4 : Plant Physiology –**
 - **Mineral Nutrition**

✓ **JULY**

- **UNIT 4 : Plant Physiology –**
 - **Transport in Plants**
 - **Photosynthesis in higher plants**
 - **Plant Growth and Development**

- **Practical – Demonstration of osmosis, demonstration of plasmolysis , effect of different carbon dioxide concentrations on the rate of photosynthesis.**

✓ **AUGUST**

- **UNIT 3 : Cell : Structure and Function –**
 - **Biomolecules**

- **UNIT 1 : Diversity of Living Organisms –**
 - **Plant Kingdom**

- **UNIT 5 : Human Physiology –**
 - **Neural Control and Co-ordinaton**

- **Practical- Onion peel to study plant cell and Stages of mitosis in onion root tips**
- **Practical - Preparation of temporary slides of *Mucor / Rhizopus***

✓ **SEPTEMBER**

- **Revision**

**BIOLOGY SYLLABUS
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SECOND TERM

✓ **OCTOBER**

- **UNIT 1 : Diversity of Living Organisms –**
 - **Animal Kingdom**

- **UNIT 5 : Human Physiology –**
 - **Breathing and exchange of gases,**
 - **Excretory products and their elimination**

- **Practical - Separation of plant pigments by chromatography ,**
- **Practical – Spotting and comment on experimental set up studied in physiology**

✓ **NOVEMBER**

- **UNIT 5 : Human Physiology –**
 - **Digestion and Absorption**
 - **Body fluids and Circulation**
 - **Chemical Co-ordination and Integration**

- **UNIT 2: Structural Organization in Animals and Plants –**
 - **Anatomy of Flowering Plants- Plant Tissues**

- **Practical – Cytology – T.S. of monocot and dicot stem, root**

✓ **DECEMBER**

- **UNIT 5 : Human Physiology –**
 - **Locomotion and Movement**

- **UNIT 2 : Structural Organization in Animals and Plants –**
 - **Structural Organisation – Animal Tissues**
 - **Cockroach – Different systems**

- **Practical – Spotting of specimens**

✓ **JANUARY**

- **UNIT 4 : Plant Physiology-**
 - **Respiration in Plants**

- **Practical –To study the effect of thawing,heat and alcohol on permeability of beet root cells.**

✓ **FEBRUARY**

- **Revision**