

BIOLOGY SYLLABUS
CLASS- XII (2018-19)

FIRST TERM

✓ **APRIL**

- **UNIT 1 : Reproduction –**
 - **Reproduction in Organisms**
 - **Sexual reproduction in flowering plants**
 - **Human reproduction**
 - **Reproductive Health**
- **Practical -Spotting**

✓ **MAY**

- **UNIT 2 : Genetics and Evolution-**
 - **Principles of inheritance and variation**
 - **Molecular basis of Inheritance**
 - **Evolution**
- **UNIT 3 : Biology and Human Welfare-**
 - **Human health and Diseases.**
- **Practical - Taxonomy– floral dissection and study (Malvaceae),**
- **Practical - Slide preparation of section of ovary**
- **Practical - Study of effect of enzyme**

✓ **JUNE**

- **UNIT 3 : Biology and Human Welfare-**
 - **Microbes in Human Welfare**
- **Practical –DNA isolation, Slide preparation hydrophyte stem , *Nerium* sp.**
- **Practical –L.S. of monocot and dicot seed.**

✓ **JULY**

- **Revision**
- **Practical – Taxonomy – Floral dissection and study (Leguminosae)**
- **Practical –Germination of pollen grain in a nutrient medium**
- **Practical- Study of dicot and monocot leaves.**

✓ **AUGUST**

- **UNIT 3 : Biology and Human Welfare-**
 - **Strategies for enhancement in food production**
- **UNIT 4 : Biotechnology and its Applications-**
 - **Biotechnology Principles and processes**
 - **Biotechnology and its applications**
- **Practical – Spotting**
- **Practical – Study of soil**

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✓ **SEPTEMBER**

- **UNIT 5 : Ecology and Environment-**
 - **Organisms and Populations**
 - **Ecosystem**
 - **Biodiversity and its Conservation**
 - **Environmental Issues**

Practical – Taxonomy – Floral dissection and study (Solanaceae, Liliaceae)

SECOND TERM

✓ **OCTOBER**

- **Revision**

✓ **NOVEMBER**

- **Revision**

✓ **DECEMBER**

- **Revision**