
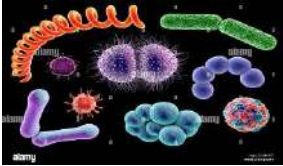


# SYLLABUS 2022-23


**SUBJECT : BIOLOGY**


**CLASS : XII**

## TERM I

MONTH	TEXT BOOK - TOPIC	E LIBRARY TOPIC	ACTIVITY PROJECT/READING/ASL
<b>NCERT Text Book(Class XII)</b>			
<b>APRIL</b>	Reproduction in Flowering Plants	Reproduction in Flowering Plants	Practical 1 : Preparation of a temporary mount to observe pollen germination
<b>MAY</b>	Chapter 3: Human Reproduction. Chapter 4: Reproductive Health	Chapter 3: Human Reproduction. Chapter 4: Reproductive Health	Practical 2. Study the plant population density by quadrat method. 3.Study the plant population frequency by quadrat method
<b>JULY</b>	Chapter 5: Principles of Inheritance and Variation. Chapter 6: Molecular Basis of Inheritance.	Chapter 5: Principles of Inheritance and Variation. Chapter 6: Molecular Basis of Inheritance.	Practical 4. Prepare a mount of onion root tip to study mitosis. 5.Isolate DNA from available plant material.
<b>AUGUST</b>	Chapter 7: Evolution. Chapter 8: Human Health and Diseases.		Spotting : 1.Study of Common disease causing organisms like Ascaris, Entamoeba, permanent slides, models or virtual images. .2. Pollen germination on stigma through a permanent slide 3. Identification of stages of gamete development. 4. Meiosis in onion bud cell.
<b>SEPTEMBER</b>		Chapter 10: Microbes in human welfare	5. T.S. of blastula. 6. Mendelian inheritance using seeds of different colour/sizes. 7. Prepared pedigree charts of any one of the genetic traits. 8. Controlled pollination - emasculation, tagging and bagging.

## TERM II

<b>OCTOBER</b>	Chapter 11. Biotechnology: Principles and processes Chapter 12: Biotechnology and applications	Chapter 11. Biotechnology: Principles and processes Chapter 12: Biotechnology and applications	9. Flowers adapted to pollination 10.Models specimen showing symbiotic association in root modules of leguminous plants 11.Flash cards and models showing homologous and analogous organs
<b>NOVEMBER</b>	Chapter 13: Organisms and populations Chapter 14: Ecosystem Chapter 15. Biodiversity and Conservation	Chapter 13: Organisms and populations Chapter 15. Biodiversity and Conservation	
<b>DECEMBER</b>	Preparation for practical exam	Assignments	Practice of Practicals

<b>JANUARY</b>	Revision for Board Exams		Board Practical Exams
<b>FEBRUARY</b>	Revision for Board Exams		Board Practical Exams