

CLASS XII
BIOLOGY-044
SPLIT-UP SYLLABUS 2025-2026

EXAM	TOPIC/CHAPTER	Experiments/Activity/Project	WEIGHTAGE
PT-I APRIL To JUNE	Ch-1: Sexual Reproduction in Flowering Plants Ch-2: Human Reproduction Ch-7: Human Health and Disease Ch-8: Microbes in Human Welfare	1. Inquiry based Task: Dissection of flowers. Experimental study on artificial Hybridization. 2. Creative Model Making: Gametogenesis in human. 3. Spotting: Disease causing organisms- <i>Plasmodium</i> and <i>Ascaris</i> . 4. Chart making: Structure of a Sewage Treatment Plant	25
HALF – YEARLY JULY To SEPTEMBER	Ch-3: Reproductive Health Ch-4: Principles of Inheritance and Variations Ch-5: Molecular Basis of Inheritance Ch-6: Evolution	5. Inquiry Based Task: Case study on ART (Assisted Reproductive Technology). Exploring Genetic Inheritance: a family study of ear lobe attachment and tongue curling traits. 6. Concept Map Chart: Timeline and Diagrams of Experiments for ‘The Search for Genetic Material’. 7. Creative Chart making: Flowchart for Human Evolution.	23
PT-II OCTOBER To DECEMBER	Ch-11: Organisms and Populations Ch-12: Ecosystem Ch-13: Biodiversity and Conservation Ch-9: Biotechnology: Principles and Processes Ch-10: Biotechnology and its Applications	8. Data Interpretation Task: Study of Birth rate and death rate in one’s locality. 9. Research and Report: Tracking plant growth and calculating the Primary Productivity. 10. Lab-Based/Field Survey Experiments: Isolation of DNA from Onion. A Quadrat Study. 11. Concept Map Chart: Steps in rDNA process. Gene therapy process.	22

YEARLY JANUARY To MARCH	REVISION		
	TOTAL MARKS		70