

SYLLABUS 2022-23			
SUBJECT- Biology		CLASS - XI	
TERM I			
MONTH	TEXT BOOK - TOPIC	E LIBRARY TOPIC	ACTIVITY PROJECT/READING/ASL
	NCERT Text Book		
JULY	CH -1 (THE LIVING WORLD)  CH- 2 (BIOLOGICAL CLASSIFICATION)	Biological Classification	1. Study and describe locally available common flowering plants from family solanaceae including dissection and display of floral holes, anther and ovary to show number of chambers, type of root, type of stem common leaf. 2. parts of a compound microscope
AUGUST	CH- 3(PLANT KINGDOM)  CH-4 (ANIMAL KINGDOM) CH- 5 (MORPHOLOGY OF FLOWERING PLANTS)  CH-6 (ANATOMY OF FLOWERING PLANTS)	Animal Kingdom and Morphology of flowering plants	1. Preparation and study of a TS of dicot and monocot roots and stems. 2. specimen and identification with reasons- bacteria, oscillatoria, spirogyra, rhizopus, mushroom yeast, mono cotyledonous plant, ine dicotyledonous plant and one lichen
SEPTEMBER	CH-7 (STRUCTURAL ORGANISATION IN ANIMALS)	Animal tissue , Organ and Organ system	1. Study of osmosis by potato osmometer 2. virtual specimen and identifying features of amoeba, hydra, liverfluke, ascaris, leech, earthworm, prawn, silkworm, honey Bee, snail, starfish, Shark, rohu, frog, lizard, pigeon and rabbit
TERM II			
OCTOBER	CH-8 (CELL- THE UNIT OF LIFE) CH-9 (BIOMOLECULES)	Biomolecules and Cell organelles	1. Study of plasmolysis in epidermal peels. 2. study of distribution of stomata on the upper and lower surfaces of leaves. 3. mitosis in onion root tips cells and animal cells.
NOVEMBER	CH-14 (RESPIRATION IN PLANTS)  CH-15 (PLANT GROWTH AND DEVELOPMENT)  CH-10 (CELL CYCLE AND CELL DIVISION)  CH-13 (PHOTOSYNTHESIS IN HIGHER PLANTS)	Respiration in plants, Factors affecting growth and mitosis meiosis	1. Comparative study of the rates of transpiration in the upper and lower surface of leaves. 2. test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. 3. study of rate of respiration in flower buda, leaf tissue and germinating seeds
DECEMBER	CH-19 (EXCRETORY PRODUCTS AND THEIR ELIMINATION)  CH-17 (BREATHING AND EXCHANGE OF GASES)  CH-18 (BODY FLUIDS AND CIRCULATION)	Breathing, excretory organs, How fluids circulate in body.	1. separation of plant pigments through paper chromatography. 2. test for presence of urea in urine test for presence of sugar in urine, presence of albumin in green, presence of bile salt in urine.
JANUARY	CH-20 (LOCOMOTION AND MOVEMENT)  CH-21 (NEURAL CONTROL ANND COORDINATION)  CH-22 (CHEMICAL COORDINATION AND INTEGRATION)	Locomotion and movement, control and coordination through nervous system and chemical coordination in body.	1. Different type of inflorescence. 2. human skeleton and different types of joints with the help of virtual images and models.
FEBRUARY	Revision for annual exams.	Assignments and worksheets given.	Practical exam- Viva, practical.