

**ST FRANCIS XAVIER SCHOOL**  
**BIOLOGY**  
**CLASS X**  
**SYLLABUS 2021-22**

UNIT I			HALF YEARLY		
Prescribed Text			Prescribed Text		
ICSE Concise Biology - 10 Selina			ICSE Concise Biology - 10 Selina		
Ch. No	Name of the Chapter	Topic	Ch.No	Name of the Chapter	Topic
4	Absorption by roots	Characteristics of roots for absorption, Imbibition Osmosis & its experiments Turgidity & its Applications Plasmolysis Ascent of sap	6	Photosynthesis	Process and phases of Photosynthesis Adaptation in Leaf Carbon cycle Factors affecting Photosynthesis Importance of Photosynthesis
5	Transpiration	Process Apparatus Kinds of transpiration Factors affecting transpiration Experiments Significance	8	Circulatory system	Blood and its composition Clotting of blood Blood groups Heart & circulation Blood vessels Tissue fluid & lymph
			9	Excretory system	Excretion and different organs Kidney and its different structures Function of the kidney Constituents of urine Osmoregulation
			10	Nervous system	Structure of a neuron & its kinds Brain & its parts Spinal cord & reflex action Peripheral nervous system
			11	Sense Organs	Structure of the eye Structure of the ear
			12	Endocrine system	Hormones and enzymes Different endocrine glands Control of hormone secretion
			<b>Chapters-4, 5, 6, 8, 9, 10, 11, 12,</b> <b>Syllabus for half yearly including practical work-</b> <b>Topics to be covered as per ICSE syllabus</b>		

UNIT II			REHEARSAL		
Prescribed Text			Prescribed Text		
ICSE Concise Biology - 10 Selina			ICSE Concise Biology - 10 Selina		
Ch.No	Name of the Chapter	Topic	Ch.No	Name of the Chapter	Topic
1	Cell	Components of cell and their function	3	Genetics	Mendel's experiments Mono cross Definition Sex linked inheritance
2	Structure of chromosome	Types of division Mitosis and its stages			
		Chemical composition Structure of DNA			
	Unit11-Chapter1,2,				
				Syllabus for finals 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12 Practical as per ICSE Syllabus	
					Practical File is to be submitted by 22 / 11 / 2019