

CLASS XI (SCIENCE)

SUBJECT – BIOLOGY (044)

MONTHS	TOPICS	ASSIGNMENT/ACTIVITY/PRACTICAL
APRIL-MAY	Unit- I: Diversity of Living Organisms 1. Ch: The Living World 2. Ch: Biological Classification 3. Ch: Plant Kingdom	<ul style="list-style-type: none"> • Parts of a compound microscope. • Tissues and diversity in shape and size of plant cells. • Tissues and diversity in shape and size of animal cells. • Virtual specimens/models/slides of organisms given in practical syllabus.
JUNE	4. Ch: Animal Kingdom Unit-IV: Plant Physiology 1. Ch: Transport in plants 2. Ch: Mineral Nutrition	<ul style="list-style-type: none"> • Virtual specimens/models/slides of organisms given in practical syllabus(from Animal Kingdom). • Preparation and study of dicot and monocot roots and stems. • Stud of osmosis by potato osmometer.
JULY	Unit-V: Human Physiology 1. Ch: Digestion and Absorption 2. Ch: Breathing and Exchange of gases	<ul style="list-style-type: none"> • Test of presence of urea in urine. • Test of presence of sugar in urine. • Study of rate of respiration.
AUGUST	3. Ch: Body fluid and circulation Unit-II: Structural Organization in Plants and Animals 1. Ch: Morphology of Flowering Plants	<ul style="list-style-type: none"> • Study and describe three locally available common flowering plants from three different families.
SEPTEMBER	2. Ch: Anatomy of flowering Plants 3. Ch: Structural Organisation in Animals Revision Term -I	<ul style="list-style-type: none"> • Different types of inflorescence(Racemose and Cymose)
OCTOBER	Unit-III: Cell Structure and Functions 1. Ch: Cell-The Unit of Life 2. Ch: Biomolecules	<ul style="list-style-type: none"> • Separation of plant pigments through paper chromatography.
NOVEMBER	3. Ch: Cell cycle and Cell division	<ul style="list-style-type: none"> • Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides.

DECEMBER	Unit-V: Human Physiology 1. Ch: Excretory Products and their elimination 2. Ch: Locomotion and movement 3. Ch: Neural control and coordination 4. Ch: Chemical coordination and Integration.	<ul style="list-style-type: none"> • Virtual image/model study of human skeleton. • Test of presence of albumin in urine. • Test of presence of bile salts in urine.
JANUARY	Unit-IV: Plant Physiology 1. Ch: Photosynthesis in Higher Plants 2. Ch: Cellular Respiration 3. Ch: Plant- Growth and Development	<ul style="list-style-type: none"> • Different modification of roots, stems and leaves.
FEBRUARY	Revision Annual Examination	