

ACADEMIC PLAN :2023-24

CARMEL CONVENT SR SEC SCHOOL ,RATANPUR,BHOPAL. STD: XI -B

SUBJECT: BIOLOGY

Month / No of Working Days	Name of the Unit / Chapter/Topic	Learning Outcomes	Suggested Activities/ Projects under Internal Assessment/practicals	Assignment	Assessment
APRIL	The Living World Biological Classification Plant Kingdom	knowledge, understanding, application, skills Salient features and classification of plants into major groups	sharing of ideas and information to advance scientific understanding, processes, theories and discoveries	students come to the class with proper background knowledge of the topic under discussion.	Written test Lab activity Quiz Oral questioning
JUNE	Animal Kingdom Morphology of Flowering Plants	Understand problems associated with classification of organisms. describe different types of flowers.	Students will be made to recall important features .	Students would do the given questions in their spirals. Project Based learning.	Interactive method Students will be asked to revise the work done in class.
JULY	Anatomy of Flowering Plants Structural Organisation in Animals	Understand and differentiate between meristematic and permanent tissues. Structure & function of frog	Compare and contrast the anatomy by observing under the microscope.	Students will be made to draw a diagram to show monocotyledonous and Dicot.leaf, stem and root.	Oral test Written test PT-1
AUGUST	Cell: The Unit of Life Biomolecules Cell Cycle and Cell Division	understand the structure of carbohydrates , proteins, nucleic acid enzymes and catalytic activity.	active student - teacher interaction	Diagrams Flowcharts questions	Random questioning of different types,
SEPTEMBER	REVISION Half yearly exams	critical thinking and problem solving, assertion –reasoning and case study solving ability		To read the book & notes	Discussion of question – answers Half yearly exams
OCTOBER	Breathing and Exchange of Gases. Body Fluids and Circulation Photosynthesis in Higher Plants	All the components of human circulatory system Differentiate between C3 and C4 cycle Mechanism of chemiosmosis for ATP synthesis	Experimental approach Flash cards and flow charts	textbook questions extracted from each topic	sharing of ideas and information to advance scientific understanding, processes, theories and discoveries
NOVEMBER	Excretory Products and their Elimination Locomotion and Movement Respiration in Plants	All the types of movement Mechanism of muscle contraction Mechanism of glycolysis and Krebs's cycle	Activity on joints Diagrams of cycles	Students will be asked to describe diagrammatically cross bridge	Written test Lab activity Oral questioning
DECEMBER	Neural Control and Coordination. Chemical Coordination and Integration Plant Growth and Development	Mechanism of generation and conduction of nerve impulse plant growth and physiological activity of plant hormones during its development	Quiz, MCQ, Peer Assessment, Case Studies, Lab Activities	textbook questions extracted from each topic	Random questioning of different types PT-2
JANUARY	FINAL PRACTICAL EXAM				FINAL PRACTICAL EXAM
FEBRUARY	REVISION FINAL EXAM				FINAL EXAM

NAME OF THE SUBJECT TEACHER: Neeru and Shampa

SIGNATURE OF THE SUBJECT COORDINATOR: Dr. NEERU THAKUR