

**AIR FORCE SCHOOL BAMRAULI
ANNUAL SPLIT-UP OF SYLLABUS**

Academic session: 2024-2025

CLASS : IX

SUBJECT : BIOLOGY

BOOK : SCIENCE FOR CLASS IX (NCERT)

MONTH NAME	CHAPTER/ UNIT	TOPIC/ SUBTOPIC	PERIODS	ACTIVITY
APRIL	Chapter-5 The fundamental units of life	Organization in Living World Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, Multicellular organisms; cell membrane and cell wall, Nucleus, chromosome- basic structure, number. cell organelles and inclusions.	10	.To prepare stained temporary mounts of (a) onion peel and (b)Human cheek cells and to record observations and draw their labeled diagrams.
MAY		endoplasmic reticulum, Golgi apparatus, chloroplast, mitochondria, vacuoles	6	
CLASS TEST FROM 22 APRIL TO 5 MAY SYLLABUS : CH 5				
JUNE-JULY	Chapter-6 Tissue	Tissues, Organs, Organ System, Organism Structure and functions of Animals and plant tissues (Only four types of tissues in animal's meristematic and permanent tissues in plants).	16	To identify parenchyma and Collenchyma, sclerenchyma tissues in plants striated, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides and to draw their labeled diagrams
PT 1 FROM 1 TO 8 JULY, SYLLABUS: CH 5 & 6				
AUGUST	Chapter-6 Tissue	Structure and functions of Animal tissues(four types of tissues in animals), Food Production: Plant and Animal breeding	15	
SEPTEMBER	REVISION			Concept maps, Quizzes, Drawing, Puzzles, Discussions, Solving question etc
HALF YEARLY FROM 17 TO 30 SEPT, SYLLABUS : CH 5 & 6				
OCTOBER- NOVEMBER	Chapter-12 Improvement in Food Resources:	Improvement in Food Resources: Selection for Quality Improvement and Management Introduction to Improvement in Food Resources Crop Variety Improvement:	16	Field Visit Crop Cultivation Experiment Discussion on Genetic Improvement Case Studies

		Introduction to Crop Variety Improvement Improvement in Crop Yield Crop production management Nutrient management, Use of Fertilizers and manures Irrigation, Cropping pattern, Crop Management Practices Protection from pests, and Diseases, Organic farming. Animal Husbandry		Debates Poster Making
DECEMBER	REVISION		3	Concept maps, Quizzes, Drawing, Puzzles, Discussions, Solving question answers etc
9 TO 17 DEC. PERIODIC TEST SYLLABUS: CH 12				
JANUARY	Chapter-12 Improvement in Food Resources:	Cattle Farming Poultry Farming Fish Production Bee-Keeping Dairy Farm Management Animal Breeding Bee-Keeping Fisheries	9	
FEBRUARY	SAMPLE PAPER REVISION		10	PRACTICE
CLASS TEST FROM 5 TO 15 FEB SYLLABUS : CH 11 & 12				
MARCH	ANNUAL EXAM 3 MARCH ONWARDS COMPLETE SYLLABUS			