

Module wise Study Plan

Module	Biology
Module 1	Diversity In The Living World
	Taxonomic Categories
	Biodiversity
	Biodiversity Conservation
Module 2	Kingdom Monera
	Kingdom Fungi
	Kingdom Protista
	Viruses, Viroids and Lichens
Module 3	Basis of Classification
	Classification of Animals
Module 4	Cumulative test based on Module 1,2,3
Module 5	Algae
	Bryophytes
	Pteridophytes
	Plant Life Cycles and Alternation of Generations
	Gymnosperms
	Angiosperms
Module 6	Anatomy of Dicotyledonous and Monocotyledonous Plants
	The Root
	Uptake and Transport of Mineral Nutrients
	The Stem
	The Leaf
	Transpiration
	Plant - Water Relations
	Long Distance Transport of Water
Module 7	The Inflorescence
	The Flower
	Pre-fertilization: Structures and Events
	Post-fertilization: Structures and Events
	The Fruit
	The Seed
Apomixis and Polyembryony	
Module 8	Cumulative test based on Module 5,6,7
Module 9	Ecosystem - Structure and Function
	Pigments Involved in Photosynthesis
	Light Reaction
	ATP And NADPH Usage
	Electron Transport
	The C4 Pathway
	Photoperiodism
	Productivity
	Glycolysis
	Fermentation
	Eukaryotic Cells
	Aerobic Respiration

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	Respiratory Quotient
Module 10	
	Cell Theory
	Prokaryotic Cells
	Eukaryotic Cells
	Biomacromolecules
	Metabolic Basis for Living
	Enzymes
Module 11	
Module 12	Cumulative Test based on Module 9,10,11
	Animal Tissues
	Basis of Classification
Module 13	
	Animal Tissues
	Frogs
	Earthworm
	Cockroach
Module 14	
	Origin of Life
	Evidence for Evolution
	Biological Evolution
	Adaptive Radiation
	Hardy - Weinberg Principle
	Evolution and Origin of Man
	Ecological Succession
Module 15	
Module 16	Cumulative Test based on Module 13, 14, 15
	Digestive System
	Respiratory Organs
	Exchange of Gases
	Digestion of Food
	Absorption of Digested Products
	Transport of Gases
	Disorders of Digestive System
	Disorders of Respiratory System
Module 17	
	Circulatory Pathways
	Double Circulation and Regulation of Cardiac Activity
	Urine Formation
	Function of the Tubules
	Role of Other Organs in Excretion
	Mechanism of Concentration of the Filtrate
	Disorders of Circulatory System
Module 18	Disorders of Excretory System
	Muscle
	Neuron as Structural and Functional Unit of Neural System
	Disorders of Muscular and Skeletal System
	Sensory Reception and Processing
	Joints
Module 19	
Module 20	Cumulative Test based on Module 17, 18, 19
	Endocrine Glands and Hormones
	Male Reproductive System

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Module 21	Female Reproductive System
	Gametogenesis
	Fertilization and Implantation
	Parturition and Lactation
Module 22	Infertility
	Medical Termination of Pregnancy
	Populations
	Population Explosion and Birth Control
	Sex Determination
	Genetic Disorders
Module 23	Microbes in Household Products
	Microbes in Industrial Products
	Water Pollution and its Control
	Solid Wastes
	Sexually Transmitted Diseases
Module 24	Cumulative Test based on Module 21, 22, 23
Module 25	Cell Cycle
	M Phase
	Cancer
	Meiosis
	Radioactive Wastes
	Ozone Depletion in the Stratosphere
Module 26	Sexually Transmitted Diseases
	Blood
	Lymph
	Immunity
	AIDS
	Biotechnological Applications in Medicine
	Ethical Issues
	Transgenic Animals
Module 27	Cumulative Test based on Module 25, 26 + below given topics
Module 28	Inheritance of One Gene
	Inheritance of Two Genes
	Principles of Biotechnology
	Tools of Recombinant DNA Technology
	Processes of Recombinant DNA Technology
	Plant Breeding
	Biotechnological Applications in Agriculture
	Tissue Culture
Animal Husbandry	
Module 29	Revision Test 1
Module 30	Revision Test 2
Module 31	Revision Test 3
Module 32	Revision Test 4
Module 33	Revision Test 5
Module 34	Revision Test 6
Module 35	Revision Test 7
Module 36	Revision Test 8
Module 37	Revision Test 9

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Module 37	Revision Test 10
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