

SRI SANKARA ARTS AND SCIENCE COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
SCHEDULE FOR ONLINE CLASS - AUG-2020

DATE	CLASS	HOUR	STAFF NAME	SUBJECT	TOPIC
03.08.2020	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Introduction of Transgenic Plants
		II	Dr.A.Shyamala	Environmental biotechnology	Biopesticides:Fungal (Trichoderma)
		III	Dr. N. Gayathri	Bioinformatics	Oncogenes
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	cell lines
		II	Dr. D. Chitra	Animal Physiology	Exchange and transport of gases
		III	Dr.A.Shyamala	Nanobiotechnology	Field Emission Scanning Electron Microscopy (FESEM)
04.08.2020	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	secondary lymphoid organs and tissues - spleen
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Guidelines of Transgenic Plants
		II	Dr.A.Shyamala	Environmental biotechnology	Basic Concepts: Ecosystem dynamics and management
		III	Dr. N. Gayathri	Bioinformatics	Proto-oncogenes
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Sequence Alignment basics
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	maintenance and management of cell lines
		III	Dr.N.Subash	Molecular Biology	Introduction of Protein Synthesis
05.08.2020	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Herbicide Resistant Plant
		II	Dr.A.Shyamala	Environmental biotechnology	Stability and complexity of ecosystems
		III	Dr. N. Gayathri	Methods in Biology	Isolation of DNA
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Sequence Alignment basics
		II	Dr.N.Subash	Molecular Biology	Process of Prokaryotic Translation
		III	Dr. D. Chitra	Animal Physiology	Waste elimination
06.08.2020	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	secondary lymphoid organs and tissues - lymph

	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Pest Resistant Plants
		II	Dr.A.Shyamala	Environmental biotechnology	Energy flow, food chain, food web and tropic levels
		III	Dr. N. Gayathri	Bioinformatics	Classification of Cancer
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Sequence Alignment Methods
		II	Dr.N.Subash	Molecular Biology	Process of Eukaryotic Translation
		III	Dr.A.Shyamala	Nanobiotechnology	X - ray fluorescence spectroscopy
07.08.2020	II B.Sc. ,	II	Dr.V.Suganthi	Immunology	Clonal selection of lymphocytes
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Disease Resistant Plant
		II	Dr.A.Shyamala	Environmental biotechnology	Ecological pyramids and recycling
		III	Dr. N. Gayathri	Methods in Biology	Isolation of RNA
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	measurement of cell viability and cytotoxicity
		II	Mr.B.Vikram Krishna	Bioinformatics	Sequence Alignment Methods
		III	Dr.N.Subash	Molecular Biology	Inhibitors for Protein Synthesis (Translation)
10.08.2020	II B.Sc. ,	I	TEST 2		
	III.B.Sc. ,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
	II.M.Sc. ,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
11.08.2020	II B.Sc. ,	I	TEST 2		
	III.B.Sc. ,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
	II.M.Sc. ,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
12.08.2020	II B.Sc. ,	I	TEST 2		

	III.B.Sc.,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
	II.M.Sc.,	I	TEST 2		
		II	TEST 2		
		III	TEST 2		
13.08.2020	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Introduction to Antigen
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Stress Tolerant Plants
		II	Dr.A.Shyamala	Environmental biotechnology	Biotic community-concept, structure, dominance, fluctuation and succession
		III	Dr. N. Gayathri	Bioinformatics	DNA Microarray
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Global and Local Alignments
		II	Dr.N.Subash	Molecular Biology	tRNA and its Identity
		III	Dr.A.Shyamala	Nanobiotechnology	Neutron diffraction and Electron diffraction
14.08.2020	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Introduction to Antibody
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Molecular Pharming
		II	Dr.A.Shyamala	Environmental biotechnology	N.P.C
		III	Dr. N. Gayathri	Methods in Biology	Purification of DNA
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	cell cloning
		II	Mr.B.Vikram Krishna	Bioinformatics	Global and Local Alignments
		III	Dr.A.Shyamala	Nanobiotechnology	Potential application of nanomaterials in electronics
	Ph.D. Scholar s		Dr.B.Ramesh	Research	Vitural Lab meet
17.08.2020	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	Regulation of gene Expression in Plants
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Environmental Pollution
		II	Dr.A.Shyamala	Environmental biotechnology	Structural Genomics
		III	Dr. N. Gayathri	Bioinformatics	cell synchronisation

	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Nervous system and Neurons
		II		Animal Physiology	Post translational Modification of Proteins
		III	Dr.N.Subash	Molecular Biology	properties of antigen- haptens , adjuvants and epitopes.
18.08.2020	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	Introduction of Promoters in Plants
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Water Pollution
		II	Dr.A.Shyamala	Environmental biotechnology	Functional Genomics
		III	Dr. N. Gayathri	Bioinformatics	Scoring Matrices
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	cell synchronisation
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	RNA and Its types
		III	Dr.N.Subash	Molecular Biology	
19.08.2020	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	Inducible gene expression in Class I Promoters in Plants
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Sources of pollution and pollutants
		II	Dr.A.Shyamala	Environmental biotechnology	Purification of RNA
		III	Dr. N. Gayathri	Methods in Biology	Scoring Matrices
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	nanorobots
		II	Dr.A.Shyamala	Environmental biotechnology	Action potential and gross neuroanatomy of the brain
		III	Dr. D. Chitra	Animal Physiology	Antigen-antibody interaction
20.08.2020	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	Inducible gene expression in Class II Promoters in Plants
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Industrial effluents, Domestic wastes, Agrochemical
		II	Dr.A.Shyamala	Environmental biotechnology	Proteomics comparative Genomics
		III	Dr. N. Gayathri	Bioinformatics	Smith and Waterman algorithms
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Control of gene expression in Transcription
		II	Dr.N.Subash	Molecular Biology	Primary cell culture
		III	Dr.V.Guruchandran	Plant and Animal Biotechnology	Photosynthesis
21.08.2020	I B.Sc. ,	I	Dr. D. Chitra	Plant Physiology	Structure of immunoglobulin
	II B.Sc. ,	II	Dr.V.Suganthi	Immunology	Phytochrome
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Heavy metals

		II	Dr.A.Shyamala	Environmental biotechnology	Isolation of protein
		III	Dr. N. Gayathri	Methods in Biology	nanosensors
	II.M.Sc.,	I	Dr.A.Shyamala	Nanobiotechnology	Smith and Waterman Algorithms
	II.M.Sc.,	II	Mr.B.Vikram Krishna	Bioinformatics	gene regulation in translation level
		III	Dr.N.Subash	Molecular Biology	
24.08.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	Culture Media in Plant tissue culture
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Effects of Water pollution, prevention and control of water pollution
		II	Dr.A.Shyamala	Environmental biotechnology	Phylogeny
		III	Dr. N. Gayathri	Bioinformatics	methods of cell separation
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Gross neuroanatomy of Spinal cord
		II	Dr. D. Chitra	Animal Physiology	Applications of nanomaterials in medicine and biotechnology
		III	Dr.A.Shyamala	Nanobiotechnology	Introduction to cell
25.08.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	antibody classes
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Introduction of Plant Genome
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Water pollution analysis and monitoring
		II	Dr.A.Shyamala	Environmental biotechnology	BLAST
		III	Dr. N. Gayathri	Bioinformatics	Heuristic Algorithms
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Flow cytometry
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	Gene Expression in Translation
		III	Dr.N.Subash	Molecular Biology	
26.08.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	Agarose Electrophoresis (Demonstration)
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Soil pollution(sources, effects and its control)
		II	Dr.A.Shyamala	Environmental biotechnology	Purification of protein
		III	Dr. N. Gayathri	Methods in Biology	Introduction to Multiple alignment methods
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Regulation of gene expression in Phage
		II	Dr.N.Subash	Molecular Biology	Central Nervous System

		III	Dr. D. Chitra	Animal Physiology	Prokaryotic cell
27.08.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	antibody and biological activities
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Nuclear Genome Organization
	III B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Air pollution- sources, air pollutants, effects, control measures
		II	Dr.A.Shyamala	Environmental biotechnology	Steps involved in using BLAST
		III	Dr. N. Gayathri	Bioinformatics	Multiple alignment methods with ClustalW as example
	II M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Regulation of gene expression in viruses
		II	Dr.N.Subash	Molecular Biology	Nanotoxicology challenges
		III	Dr.A.Shyamala	Nanobiotechnology	Light Harvesting Complex
28.08.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	Theories of antibody formation.
	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Chloroplast and its genome organization in Plants
	III B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Ozone depletion
		II	Dr.A.Shyamala	Environmental biotechnology	Different separation methods of protein
		III	Dr. N. Gayathri	Methods in Biology	Cryoprotectants
	II M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Progressive Alignment methods
		II	Mr.B.Vikram Krishna	Bioinformatics	Regulation of gene expression in Prokaryotes
		III	Dr.N.Subash	Molecular Biology	Light Harvesting Complex
29.08.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	Production of monoclonal antibody
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Mitochondria and its genome organization
	III B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Genetic Engineering in Environmental Biotechnology
		II	Dr.A.Shyamala	Environmental biotechnology	Interpreting BLAST results
		III	Dr. N. Gayathri	Bioinformatics	Classification based on dimensionality
	II M.Sc.,	I	Dr.A.Shyamala	Nanobiotechnology	Progressive alignment methods
		II	Mr.B.Vikram Krishna	Bioinformatics	Peripheral Nervous system
		III	Dr. D. Chitra	Animal Physiology	
31.08.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	Cytoplasmic Male Sterility

	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Genetically engineered microorganisms in environmental health
		II	Dr.A.Shyamala	Environmental biotechnology	FASTA
		III	Dr. N. Gayathri	Bioinformatics	Retrival of cells
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Peripheral Nervous system
		II	Dr. D. Chitra	Animal Physiology	Quantum Dots,Wells and Wires
		III	Dr.A.Shyamala	Nanobiotechnology	Quantum Dots,Wells and Wires
	II.M.Sc.,	IV	Dr.B.Ramesh	Protejct	Last date discussion of TNSCST Proposals

SRI SANKARA ARTS AND SCIENCE COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
SCHEDULE FOR ONLINE CLASS - SEP-2020

DATE	CLASS	HOOR	STAFF NAME	SUBJECT	TOPIC
01.09.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	Eukaryotic cell
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	application of monoclonal antibody.
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Transposable Elements
		II	Dr.A.Shyamala	Environmental biotechnology	Genetically engineered plants
		III	Dr. N. Gayathri	Bioinformatics	FASTA - Alignment Score
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Iterative Alignment Methods
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	ovary stimulation
		III	Dr.N.Subash	Molecular biology	Gene expression in chromatin
02.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Cell Suspension Culture (Demonstration)
		II	Dr.A.Shyamala	Environmental biotechnology	Genetically engineered microorganisms in agriculture and productivity
		III	Dr. N. Gayathri	Methods in Biology	Analysis of RNA by one dimensional gel electrophoresis
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Iterative Alignment Methods
		II	Dr.N.Subash	Molecular Biology	Gene Silencing
		III	Dr. D. Chitra	Animal Physiology	Neural control of muscle tone

03.09.2020	I B.Sc.,	I	TEST 1		
	II B.Sc.,	I	TEST 3		
	III.B.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
	II.M.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
04.09.2020	I B.Sc.,	I	TEST 3		
	II B.Sc.,	I	TEST 3		
	III.B.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
	II.M.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
05.09.2020	I B.Sc.,	I	TEST 3		
	II B.Sc.,	I	TEST 3		
	III.B.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
	II.M.Sc.,	I	TEST 3		
		II	TEST 3		
		III	TEST 3		
07.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Isolation of Protoplast (Demonstration)
		II	Dr.A.Shyamala	Environmental biotechnology	Genetically engineered bacteria in bioremediation of organic pesticides
		III	Dr. N. Gayathri	Bioinformatics	Multiple Aignment
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	oocytes recovery

		II	Mr.B.Vikram Krishna	Bioinformatics	Iterative Alignment Methods
		III	Dr.N.Subash	Molecular Biology	C - Value Paradox
08.09.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	structure and function of cell wall
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Cytokines
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Organizing Plant tissue culture Laboratory
		II	Dr.A.Shyamala	Environmental biotechnology	Insecticides oil spills
		III	Dr. N. Gayathri	Bioinformatics	ClustalW
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Introduction to markov models
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	sperm separation
		III	Dr.N.Subash	Molecular Biology	C - Value Paradox
09.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Preparations of Tissue Culture Media
		II	Dr.A.Shyamala	Environmental biotechnology	Hazards of genetically engineered microorganisms
		III	Dr. N. Gayathri	Methods in Biology	Analysis of RNA by two dimensional gel electrophoresis
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Introduction to markov models
		II	Dr.N.Subash	Molecular Biology	Genetic Code
		III	Dr. D. Chitra	Animal Physiology	Sense organ - Vision
10.09.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	structure and function of plasma membrane
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Cytokines and complement
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Callus Inductions
		II	Dr.A.Shyamala	Environmental biotechnology	Detection of coliforms for determination of purity of fresh water
		III	Dr. N. Gayathri	Bioinformatics	Phylogenetic tree
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Hidden markov Models
		II	Dr.N.Subash	Molecular Biology	Mitosis
		III	Dr.A.Shyamala	Nanobiotechnology	Metal based nanomaterials

11.09.2020	I B.Sc.,	I	Dr. D. Chitra	Animal Physiology	Sense organ - hearing
	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Properties of cytokines
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Shoot tip culture
		II	Dr.A.Shyamala	Environmental biotechnology	Determination of total dissolved solids of water
		III	Dr. N. Gayathri	Methods in Biology	Analysis of DNA by one dimensiona gel electrophoresis
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	IVF
		II	Mr.B.Vikram Krishna	Bioinformatics	Introduction to molecular visualization tools
		III	Dr.N.Subash	Molecular Biology	Meiosis
14.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Embryos Culture
		II	Dr.A.Shyamala	Environmental biotechnology	Determination of BOD of sewage samples
		III	Dr. N. Gayathri	Bioinformatics	Proteomics
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	ART
		II	Dr. D. Chitra	Animal Physiology	Sense organ - hearing
	Ph.D. Shcholars		Dr.B.Ramesh	Research	Vitural Lab meet
		III	Dr.A.Shyamala	Nanobiotechnology	buck balls, nanotubes, grapheme
15.09.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	Cell Division
	II B.Sc.,	I	Dr..V.Suganthi	Immunology	cytokine related disease
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Endosperm Culture
		II	Dr.A.Shyamala	Environmental biotechnology	Determination of COD of sewage samples
		III	Dr. N. Gayathri	Bioinformatics	Protein Analysis
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	VAST and DALI visualization tools
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	Transgenic animals
		III	Dr.N.Subash	Molecular Biology	Cell Division
16.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	II		LANGUAGE/ALLIED CLASS	

	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Somatic Embryogenesis
		II	Dr.A.Shyamala	Environmental biotechnology	Microorganisms form polluted environment /Water resources.
		III	Dr. N. Gayathri	Methods in Biology	Analysis of DNA using two dimensional electrophoresis
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Introduction to RNA Structural Prediction tools
		II	Dr.N.Subash	Molecular Biology	Preparation of buffer stocks
		III	Dr. D. Chitra	Animal Physiology	Sense organ - hearing
17.09.2020	I B.Sc. ,	I	Dr.V.Guruchandran	Cell Biology	programmed cell death
	II B.Sc. ,	I	Dr..V.Suganthi	Immunology	Complement components
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Hardening and Planting in field
		II	Dr.A.Shyamala	Environmental biotechnology	Vermicomposting making
		III	Dr. N. Gayathri	Bioinformatics	Structural Comparison
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	RNA Structural Prediction tools E-RATE and SSU Align
		II	Dr.N.Subash	Molecular Biology	Isolation of genomic DNA from plant (Demonstration)
		III	Dr.V.Guruchandran	Plant and Animal Biotechnology	Transgenic animals
18.09.2020	I B.Sc. ,	I	TEST 2		
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Isolation of protoplasts (Demonstration)
		II	Dr.A.Shyamala	Environmental biotechnology	Vermicomposting making
		III	Dr. N. Gayathri	Bioinformatics	Structural Comparison
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Transgenic animals model for human disease
		II	Mr.B.Vikram Krishna	Bioinformatics	KEGG Database
		III	Dr.N.Subash	Molecular Biology	Isolation of genomic DNA from animal tissues
19.09.2020	I B.Sc. ,	I	TEST 2		
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Isolation of protoplasts (Demonstration)
		II	Dr.A.Shyamala	Environmental biotechnology	Vermicomposting making
		III	Dr. N. Gayathri	Bioinformatics	Structural Comparison
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	molecular diagnosis of diseases
		II	Mr.B.Vikram Krishna	Bioinformatics	E-CELL and V-CELL virtual cell tools

		III	Dr. D. Chitra	Animal Physiology	Sense organ - hearing
21.09.2020	I B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	plant Biotechnology	Micropropagation of Tobacco plant by leaf disc culture
		II	Dr.A.Shyamala	Environmental biotechnology	Microorganisms form polluted environment /Air
		III	Dr. N. Gayathri	Bioinformatics	Structural Comparison
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Breeding in animals
		II	Dr. D. Chitra	Animal Physiology	Absorption, energy balance, BMR
		III	Dr.A.Shyamala	Nanobiotechnology	Nano polymers
22.09.2020	I B.Sc. ,	I	Dr.V.Guruchandran	Cell Biology	endoplasmic reticulum
	II B.Sc. ,	I	Dr..V.Suganthi	Immunology	complement activation-classical pathway
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	transformation
		II	Dr.A.Shyamala	Environmental biotechnology	Estimation of Dissolved Oxygen by Winkler's method
		III	Dr. N. Gayathri	Bioinformatics	2D-Gel
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Introduction to Biological markup languages
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	Marker assisted selection
		III	Dr.N.Subash	Molecular Biology	Isolation of genomic DNA from E.coli
23.09.2020	I B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Demo
		II	Dr.A.Shyamala	Environmental biotechnology	sample.
		III	Dr. N. Gayathri	Methods in Biology	electrophoresis
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Biological Sequence Markup Language (BSML)
		II	Dr.N.Subash	Molecular Biology	Isolation of plasmid DNA from E.coli
		III	Dr. D. Chitra	Animal Physiology	Endocrinology and reproduction
24.09.2020	I B.Sc. ,	I	Dr.V.Guruchandran	Cell Biology	Ribosomes
	II B.Sc. ,	I	Dr..V.Suganthi	Immunology	complement activation-alternative pathway
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Preparaion PTC Media
		II	Dr.A.Shyamala	Environmental biotechnology	Bioleaching
		III	Dr. N. Gayathri	Bioinformatics	Mass Spec
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Homology Modeling for Biomolecules

		II	Dr.N.Subash	Molecular Biology	Isolation of plasmid DNA from Agrobacterium
		III	Dr.A.Shyamala	Nanobiotechnology	Nano glasses & Nano ceramics
25.09.2020	I B.Sc.,	I	TEST 3		
	II B.Sc.,	I	TEST 4		
	III.B.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
	II.M.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
28.09.2020	I B.Sc.,	I	TEST 4		
	II B.Sc.,	I	TEST 4		
	III.B.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
	II.M.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
29.09.2020	I B.Sc.,	I	TEST 4		
	II B.Sc.,	I	TEST 4		
	III.B.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
	II.M.Sc.,	I	TEST 4		
		II	TEST 4		
		III	TEST 4		
30.09.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Introduction of plant genomic DNA
		II	Dr.A.Shyamala	Environmental biotechnology	Bioremediation
		III	Dr. N. Gayathri	Methods in Biology	Detection of molecules using ELISA

	II.M.Sc.	I	Mr.B.Vikram Krishna	Bioinformatics	Pharmacogenetics and Pharmacogenomics
		II	Dr.N.Subash	Molecular Biology	Agarose gel electrophoresis
		III	Dr. D. Chitra	Animal Physiology	Endocrine glands

SRI SANKARA ARTS AND SCIENCE COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
SCHEDULE FOR ONLINE CLASS - OCT-2020

DATE	CLASS	HOUR	STAFF NAME	SUBJECT	TOPIC
01.10.2020	I B.Sc.	I	Dr.V.Guruchandran	Cell Biology	Mitochondria
	II B.Sc.	I	Dr.V.Suganthi	Immunology	complement activation-alternative pathway.
	III.B.Sc.	I	Dr.N.Subash	Plant Biotechnology	Isolation of plant genomic DNA
		II	Dr.A.Shyamala	Environmental biotechnology	Environmental impact of pollution
		III	Dr. N. Gayathri	Bioinformatics	Genome application
	II.M.Sc.	I	Mr.B.Vikram Krishna	Bioinformatics	Drug Discovery-Introduction
		II	Dr.N.Subash	Molecular Biology	using agarose gel electrophoresis
		III	Dr.A.Shyamala	Nanobiotechnology	Chemical Methods: Metal Nanocrystals by Reduction
03.10.2020	I B.Sc.	I	Dr. D. Chitra	Plant Physiology	Mechanisms of electron transport
	II B.Sc.	I	Dr.V.Suganthi	Immunology	complement activation- lectin pathway.
	III.B.Sc.	I	Dr.N.Subash	Plant Biotechnology	Plant cell
		II	Dr.A.Shyamala	Environmental biotechnology	pollution measurement methods
		III	Dr. N. Gayathri	Methods in Biology	Detection of molecules using RIA
	II.M.Sc.	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	Common parasites and pathogens
		II	Mr.B.Vikram Krishna	Bioinformatics	Drug Discovery-Rational Drug Design
		III	Dr.A.Shyamala	Nanobiotechnology	Solvothermal Synthesis
05.10.2020	I B.Sc.	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.	I	Dr.N.Subash	Plant Biotechnology	Plant cell
		II	Dr.A.Shyamala	Environmental biotechnology	microbial bioremediation of oil spills
		III	Dr. N. Gayathri	Bioinformatics	Drug Design
	II.M.Sc.	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	callus culture
		II	Dr. D. Chitra	Animal Physiology	Basic mechanism of hormone action

		III	Dr.A.Shyamala	Nanobiotechnology	Physical Methods: Ball Milling
06.10.2020	I B.Sc. ,	I	Dr.V.Guruchandran	Cell Biology	Chloroplast
	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	Membrane attack complex (MAC).
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Mechanism of Plant Growth Hormone
		II	Dr.A.Shyamala	Environmental biotechnology	In- situ method
		III	Dr. N. Gayathri	Bioinformatics	Drug Design
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Target Identification and Validation
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	protoplast culture
		III	Dr.N.Subash	Molecular Biology	plant
07.10.2020	I B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Plant growth regulators
		II	Dr.A.Shyamala	Environmental biotechnology	Ex- situ method
		III	Dr. N. Gayathri	Methods in Biology	Western Blotting
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Lead Identification
		II	Dr.N.Subash	Molecular Biology	animal tissues
		III	Dr. D. Chitra	Animal Physiology	Hormones and diseases
08.10.2020	I B.Sc. ,	I	TEST 4		
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Plant growth regulators
		II	Dr.A.Shyamala	Environmental biotechnology	Ex- situ method
		III	Dr. N. Gayathri	Methods in Biology	Western Blotting
	II.M.Sc. ,	I	Mr.B.Vikram Krishna	Bioinformatics	Ligand Based Approach to lead identification
		II	Dr.N.Subash	Molecular Biology	animal tissues
		III	Dr. D. Chitra	Animal Physiology	Hormones and diseases
09.10.2020	I B.Sc. ,	I	TEST 4		
	II B.Sc. ,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Demerits of transgenic plants
		II	Dr.A.Shyamala	Environmental biotechnology	phosphate solubilizing bacteria
		III	Dr. N. Gayathri	Bioinformatics	Pairwise alignment
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	synthetic seeds

		II	Mr.B.Vikram Krishna	Bioinformatics	Target Based Approach to Lead Identification
		III	Dr.N.Subash	Molecular Biology	animal tissues
12.10.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Demerits of transgenic plants
		II	Dr.A.Shyamala	Environmental biotechnology	phosphate solublizing bacteria
		III	Dr. N. Gayathri	Bioinformatics	Pairwise alignment
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	synthetic seeds
		II	Dr. D. Chitra	Animal Physiology	Reproductive processes, gametogenesis and ovulation
		III	Dr.A.Shyamala	Nanobiotechnology	Flame Pyrolysis
13.10.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	Nucleus
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Hypersensitivity Type I,
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Application of transgenic plant in agriculture industries
		II	Dr.A.Shyamala	Environmental biotechnology	Biofertilizers
		III	Dr. N. Gayathri	Bioinformatics	Alignment algorithm
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Introduction to preclinical pharmacology in drug discovery
		II	Dr.A.Shyamala	Nanobiotechnology	Photochemical Synthesis
		III	Dr.N.Subash	Molecular Biology	E.coli.
14.10.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Phytohormones
		II	Dr.A.Shyamala	Environmental biotechnology	Biopesticides
		III	Dr. N. Gayathri	Methods in Biology	Flow cytometry
	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	Methods of Preclinical pharmacology in drug discovery
		II	Dr.N.Subash	Molecular Biology	
		III	Dr. D. Chitra	Animal Physiology	Neuroendocrine regulation
15.10.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	Golgiapparatus
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	Hypersensitivity Type II
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Application of Plant Biotechnology
		II	Dr.A.Shyamala	Environmental biotechnology	Bacterial Biofertilizers
		III	Dr. N. Gayathri	Bioinformatics	Needlman and Wunsch algorithm

	II.M.Sc.,	I	Mr.B.Vikram Krishna	Bioinformatics	ADME-Tox and its Role in Drug Discovery
		II	Dr.N.Subash	Molecular Biology	
		III	Dr. N. Gayathri	Methods in Biology	Imunoflorescence microscopy
16.10.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	Photo protective mechanisms
	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Hypersensitivity Type III
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Application of Plant hormone on agriculture sector
		II	Dr.A.Shyamala	Environmental biotechnology	Algal and fungal (mycorrhizae)
		III	Dr. N. Gayathri	Methods in Biology	Imunoflorescence microscopy
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	embryogenesis
		II	Mr.B.Vikram Krishna	Bioinformatics	Introduction to Computational Drug Discovery
		III	Dr.N.Subash	Molecular Biology	Estimation of proteins by Lowry method
17.10.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	CO2 fixation-C3 pathway
	II B.Sc.,	I	Immunology		
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	PTC
		II	Dr.A.Shyamala	Environmental biotechnology	Bacterial (BT pesticides)
		III	Dr. N. Gayathri	Methods in Biology	spectroscopy
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	isolation of protoplast
		II	Mr.B.Vikram Krishna	Bioinformatics	Methods and online tools in Computational Drug Discovery
		III	Dr.A.Shyamala	Nanobiotechnology	Chemical Vapor Deposition (CVD)
19.10.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I	Immunology	Immunology	Hypersensitivity Type IV
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Culture media in PTC
		II	Dr.A.Shyamala	Environmental biotechnology	Bacterial (BT pesticides)
		III	Dr. N. Gayathri	Bioinformatics	Smith and Needleman algorithm
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	organogenesis
		II	Dr. D. Chitra	Animal Physiology	urine concentration, waste elimination
		III	Dr.A.Shyamala	Nanobiotechnology	Molecular Beam Epitaxy (MBE)
20.10.2020	I B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	II B.Sc.,	I	TEST 5		
	III.B.Sc.,	I	TEST 5		
		II	TEST 5		

		III	TEST 5		
	II.M.Sc.,	I	TEST 5		
		II	TEST 5		
		III	TEST 5		
21.10.2020	I B.Sc.,	I			
	II B.Sc.,	I	TEST 5		
	III.B.Sc.,	I	TEST 5		
		II	TEST 5		
		III	TEST 5		
	II.M.Sc.,	I	TEST 5		
		II	TEST 5		
		III	TEST 5		
22.10.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	Chromosomes
	II B.Sc.,	I	TEST 5		
	III.B.Sc.,	I	TEST 5		
		II	TEST 5		
		III	TEST 5		
	II.M.Sc.,	I	TEST 5		
		II	TEST 5		
		III	TEST 5		
23.10.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	C4 Pathway
	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Vaccines- Types of vaccines
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Media Preparation for PTC
		II	Dr.A.Shyamala	Environmental biotechnology	Concepts of bioremediation
		III	Dr. N, Gayathri	Methods in Biology	Spectroscopy
	II.M.Sc.,	I	Dr.A.Shyamala	Nanobiotechnology	Metal Oxide - Chemical Vapor Deposition
		II	Dr.V.Guruchandran	Plant and Animal Biotechnology	organ culture
		III	Dr.N.Subash	Molecular Biology	
	Shcholar		Dr.B.Ramesh	Research	Vitural Lab meet
27.10.2020	I B.Sc.,	I	TEST 5		
	II B.Sc.,	I		LANGUAGE/ALLIED CLASSES	

	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Suspension culture
		II	Dr.A.Shyamala	Environmental biotechnology	Global warming
		III	Dr. N, Gayathri	Methods in Biology	Spectroscopy
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	suspension culture
		II	Dr.A.Shyamala	Nanobiotechnology	Spray Pyrolysis
		III	Dr.N.Subash	Molecular Biology	Western blotting
28.10.2020	I B.Sc.,	I	TEST 5		
	II B.Sc.,	I		LANGUAGE/ALLIED CLASS	
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Embryogenesis
		II	Dr.A.Shyamala	Environmental biotechnology	Global warming
		III	Dr. N, Gayathri	Methods in Biology	Spectroscopy
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	MTT Assay
		II	Dr.N.Subash	Molecular Biology	Southern blotting
		III	Dr. D. Chitra	Animal Physiology	base balance, Stress and adaptation
29.10.2020	I B.Sc.,	I	Dr.V.Guruchandran	Cell Biology	lysosomes and peroxisomes
	II B.Sc.,	I	Dr.V.Suganthi	Immunology	DNA vaccines
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Scope of Plant Biotechnology
		II	Dr.A.Shyamala	Environmental biotechnology	free living N2 fixers
		III	Dr. N. Gayathri	Bioinformatics	Drug discovery
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	cell counting and viability
		II	Dr.N.Subash	Molecular Biology	PCR
		III	Dr.A.Shyamala	Nanobiotechnology	DC/RF Magnetron Sputtering
30.10.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	CAM Pathway
	II B.Sc.,	II	Dr.V.Suganthi	Immunology	Autoimmune diseases-organ specific and systemic
	III.B.Sc.,	I	Dr.N.Subash	Plant Biotechnology	Plant transformation
		II	Dr.A.Shyamala	Environmental biotechnology	Bacterial biofertilizers :rhizobial
		III	Dr. N. Gayathri	Methods in Biology	NMR
	II.M.Sc.,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	surface sterilisation
		II	Mr.B.Vikram Krishna	Bioinformatics	Ligand Based Approach to lead identification
		III	Dr.N.Subash	Molecular Biology	Isolation of genomic DNA
31.10.2020	I B.Sc.,	I	Dr. D. Chitra	Plant Physiology	Respiration and photorespiration

	II B.Sc. ,	I	Dr.V.Suganthi	Immunology	Immune response during bacterial , parasitic and viral infections,
	III.B.Sc. ,	I	Dr.N.Subash	Plant Biotechnology	Plant regeneration
		II	Dr.A.Shyamala	Environmental biotechnology	S cycles in nature
		III	Dr. N. Gayathri	Methods in Biology	Protein structure determination using X-ray diffraction.
	II.M.Sc. ,	I	Dr.V.Guruchandran	Plant and Animal Biotechnology	media preparation
		II	Dr.A.Shyamala	Nanobiotechnology	Electrodeposition
		III	Mr.B.Vikram Krishna	Bioinformatics	Ligand Based Approach to lead identification
	Shcholar		Dr.B.Ramesh	Research	DC Preparation meet

