

B.Sc. Sem.-V
Under Graduate Science Course Semester - V
(Exam Programme as per NEP-2020 implemented from June-2023)
Programme Code – SCIUG

Date & Day	Subject & Course Code	Credit	Marks	Time in Hours
11-11-2025 Tuesday 11:30 to 2:00	MAJOR 1 DISCIPLINE SPECIFIC COURSE			
	Physics - Mathematical - Solid State - Plasma Physics, Classical – Quantum - Statistical Mechanics & Electronics - SC23MJDSCPHY501	4	50	2.30
	Chemistry - Fundamentals of Chemistry III - SC23MJDSCCHE501			
	Mathematics - Group Theory - SC23MJDSCMAT501			
	Botany – Ecology And Plant Systematics - SC23MJDSCBOT501			
	Biotechnology – Immunology - SC23MJDSCBIO501			
	Zoology – Developmental Biology - SC23MJDSCZOO501			
	Microbiology – Medical Microbiology - SC23MJDSCMIC501			
	Computer – Web Development with JavaScript – SC23MJDSCCS501			
12-11-2025 Wednesday 11:30 to 2:00	MAJOR 2 DISCIPLINE SPECIFIC COURSE			
	Physics – Indian Astronomy, Astro Physics and Contribution of Indian Physicists - SC23MJDSCPHY501A	4	50	2.30
	Chemistry – Ancient Indian Chemistry - SC23MJDSCCHE501A			
	Mathematics – Vedic Mathematics - SC23MJDSCMAT501A			
	Botany – Ancient Indian Botany: A Living Tradition - SC23MJDSCBOT501A			
	Biotechnology – Traditional Biotechnology in Indian Knowledge Systems - SC23MJDSCBIO501A			
	Zoology – Traditional Knowledge In Zoology – SC23MJDSCZOO501AIKS			
	Microbiology – Microbiology: Vedic To Modern Times – SC23MJDSCMIC501AIKS			
	Computer – Indian Knowledge System for Computational Thinking - SC23MJDSCCS501A			
13-11-2025 Thursday 11:30 to 2:00	MINOR DISCIPLINE SPECIFIC COURSE			
	Physics – Modern Physics, Electricity, Electronics Holography and Fiber Optics - SC23MIDCPHY502	4	50	2.30
	Chemistry – Simplified of Chemistry II - SC23MIDSCCHE502			
	Mathematics – Optimization Techniques – SC23MIDSCMAT502 (A) OR			
	Mathematics – Number Theory- SC23MIDSCMAT 502 (B)			
	Botany – Plant Morphology, Instrumentation And Methodology - SC23MIDSCBOT502			
	Biotechnology – Clinical Immunology - SC23MIDSCBIO502			
	Zoology – Wildlife Conservation - SC23MIDCZOO502			
	Microbiology – Clinical And Diagnostic Microbiology – SC23PMIDCMIC502			
	Computer – UNIX Operating System & Shell Programming - SC23MIDSCCS502			

14-11-2025 Friday 11:30 to 01:30	SKILL ENHANCEMENT COURSE			
	Physics – Optical Instruments - SC23SECPHY506	2	25	2.00
	Chemistry – Term Symbol and d^1 - d^9 Spectra - SC23SECCHE506 OR			
	Chemistry – Polymer Chemistry - SC23SECCHE506A OR			
	Chemistry – Medicinal Chemistry - SC23SECCHE506B			
	Mathematics - Mathematics for Competitive Exams-5 - SC23SECMAT506			
	Botany – Nursery And Gardening - SC23SECBOT506			
	Biotechnology – Bioentrepreneurship - SC23SECBIO506			
	Zoology – Basics Of Biotechnology - SC23SECZOO506			
	Microbiology – Mushroom And Spirulina Cultivation – SC23SECMIC506			
	Computer – Algorithm Analysis & Design - SC23SECCS506			

B.Sc. Sem.-V (NEW COURSE)**Time: 11:30 a.m TO 02:00 p.m**

Date & Day	Course Title
11-11-2025 Tuesday	Foundation Compulsory English
12-11-2025 Wednesday	<u>Core Compulsory Course (CC-501)</u> Chemistry - Inorganic Chemistry-I
	Mathematics –MAT- Group Theory
	Biotechnology - (Course-7) Principles of Molecular biology (BT-501)
	Zoology - (Course-7) Cell and Molecular Biology
	Botany - Genetics
	Microbiology - Molecular Biology (MB-501)
	Physics - Mathematical Physics, Classical & Quantum Mechanics
	Geology - (GEO 501) Mineralogy, Crystallography
	Computer Science-(COM 501) Web Development-1
13-11-2025 Thursday	<u>Core Compulsory Course (CC-502)</u> Chemistry- Organic Chemistry – II
	Mathematics- MAT -Mathematical Analysis – I
	Biotechnology - (Course-8) Immunology (BT-502)
	Zoology - (Course-8) Developmental Biology
	Botany - Molecular Biology
	Microbiology – Microbial Physiology and metabolism (MB-502)
	Physics - Statistical Mechanics, Solid State Physics and Plasma Physics
	Geology - (GEO 502) Petrology-Igneous and Metamorphic
	Computer Science- (COM 502) Python Programming
14-11-2025 Friday	<u>Core Compulsory Course (CC-503)</u> Chemistry - Physical Chemistry –III
	Mathematics – MAT- Differential Equations A OR Complex Analysis B
	Biotechnology - (Course-9) Plant Biotechnology (BT-503)
	Zoology - (Course -9) – Biostatistics, Tools and Techniques in Zoology
	Botany - Plant Ecology And Phytogeography
	Microbiology – Immunology (MB-503)
	Physics - Nuclear Physics and Molecular Spectra

	Geology - (GEO 503) Structural Geology
	Computer Science- (COM 503) System Analysis & Design
15-11-2025 Saturday	<u>Core Compulsory Course (CC-504)</u> Chemistry - Structural Analytical Chemistry-IV
	Mathematics – MAT-Discrete Mathematics-504-A OR MAT- Optimization Techniques- 504 -B
	Biotechnology - (Course -10) Environmental Biotechnology (BT-504)
	Zoology - (Course -10) Biodiversity and Conservation Biology
	Botany - Plant Systematic
	Microbiology – Microbial & Bacterial Systematic (MB-504)
	Physics – Electronics and Computer
	Geology - (GEO 504) General and Standard Stratigraphy
	Computer Science- (COM 504) Operating System
17-11-2025 Monday	Elective Course Chemistry - Synthetic Dyes (ES-505-A) Spectrophotometry (ES-505-B)
	Mathematics – MAT-51- Theory of Equations
	Biotechnology - 1. Immunological disorders (ES-09) 2. Microbial Physiologyes (ES-10)
	Zoology - Limnology (ES-501) OR Animal Biotechnology (ES-502)
	Microbiology -MB-SE-501- Biosafety and Intellectual Property Rights
	Physics – Instrument (ES-PHY-07) Energy Technology (ES-PHY-08)
	Botany - Nursery And Gardening
	Geology - (GEO-505) Fundamentals of Hydrogeology
	Computer Science - (ES-COM-04) Advanced Computing Systems

૪. ગણિતશાસ્ત્રના પ્રશ્નપત્રમાં સ્ટેન્સીલનો ઉપયોગ કરવાની છૂટ છે.
૫. પ્રાયોગિક પરીક્ષાઓ લેખિત પરીક્ષા પછી લેવામાં આવશે.
પ્રાયોગિક પરીક્ષાનું સ્થળ, સમય અને તારીખ અને પરીક્ષાર્થીએ કયા ક્રમમાં પરીક્ષા આપવા માટે હાજર થવું તે અંગેની જાહેરાત યુનિવર્સિટીના તેમજ કોલેજ/કેન્દ્રના નોટીસ બોર્ડ ઉપર કરવામાં આવશે. પરીક્ષાર્થીએ પ્રાયોગિક પરીક્ષા માટે નિયત કરવામાં આવેલ તારીખે, સમયે અને સ્થળે હાજર થવાનું રહેશે. જો કોઈ પરીક્ષાર્થી નિયત કરેલ તારીખે, સમયે અને સ્થળે હાજર નહીં રહે તો તેની પ્રાયોગિક પરીક્ષા પાછળથી લેવામાં આવશે નહીં.

પાટણ (ઉ.ગુ.) ૩૮૪ ૨૬૫
તારીખ : ૩૦/૧૦/૨૦૨૫

આદેશથી
મિતુલ એમ. દેલીયા
પરીક્ષા નિયામક