

SEM	CODE	Course	Group	Theory/ Prac.	Credit	Study Hours	TE FM	TE Pass %	Assig. FM	TM	
1 st Year	I	5CC-BT-01	Plant Ecology and Phytogeography	DSC-01	Practical	4	120	100	30	--	100
		NEC-ZO-01	Animal Diversity	DSE-01	Theory	4	120	70	30	30	100
		MDC-1: # Refer to page 2		MDC-01	Theory	4	120	70	30	30	100
		5AE-BG-01	Bengali	AEC-01	Theory	4	120	70	30	30	100
		5VA-ES-01	Environmental Studies	VAC-01	Theory	4	120	70	30	30	100
		NSE-BT-01	Medicinal Botany	SEC-01	Theory	4	120	70	30	30	100
	II	5CC-BT-02	Plant Ecology and Phytogeography	DSC-02	Theory	4	120	70	30	30	100
		NEC-ZO-02	Aquatic Biology and Economic Zoology	DSE-02	Theory	4	120	SWAYAM			
		MDC-2: # Refer to page 2		MDC-02	Theory	4	120	70	30	30	100
		5AE-EG-02	English	AEC-02	Theory	4	120	70	30	30	100
		VAC-2: # Refer to page 2		VAC-02	Theory	4	120	70	30	30	100
		NSE-CH-01	Pharmaceutical Chemistry	SEC-02	Theory	4	120	70	30	30	100
Level 4.5	NU-C5-BT	Exit 1: UG Certificate in Botany (on completion of 1 st Year Learners may exit from the programme with UG Certificate in Botany)							48 Credit		
2 nd Year	III	6CC-BT-03	Phycology and Microbiology	DSC-03	Practical	4	120	100	30	--	100
		6CC-BT-04	Mycology and Phytopathology; Archegoniate; Paleobotany	DSC-04	Practical	4	120	100	30	--	100
		NEC-ZO-03	Animal Behaviour, Evolution, Ecology and Conservation	DSE-03	Theory	4	120	70	30	30	100
		MDC-3: # Refer to page 2		MDC-03	Theory	4	120	70	30	30	100
		6AE-CF-03	Computer Fundamentals	AEC-03	Theory	4	120	70	30	30	100
		NSE-GR-02	Environmental Impact Assessment (EIA) & Environmental Management Planning (EMP)	SEC-03	Theory	4	120	70	30	30	100
	IV	6CC-BT-05	Phycology and Microbiology	DSC-05	Theory	4	120	70	30	30	100
		6CC-BT-06	Mycology and Phytopathology	DSC-06	Theory	4	120	70	30	30	100
		6CC-BT-07	Archegoniate (Bryophyte + Pteridophyte + Gymnosperm)	DSC-07	Theory	4	120	70	30	30	100
		NEC-ZO-04	Insect Biology, Disease and Health and Nutrition	DSE-04	Theory	4	120	70	30	30	100
		6AE-RT-04	Reading & Reflecting on Texts	AEC-04	Theory	4	120	70	30	30	100
		Level 5.0	NU-D6-BT	Exit 2: UG Diploma in Botany (on completion of 2 nd Year Learners may exit from the programme with UG Diploma in Botany)							92 Credit
3 rd Year	V	7CC-BT-08	Anatomy, Economic Botany; Morphology, Plant Systematics	DSC-08	Practical	4	120	100	30	--	100
		7CC-BT-09	Biomolecules and Plant Metabolism; Plant Physiology; Reproductive Biology of Angiosperms, Cell Biology, Genetics	DSC-09	Practical	4	120	100	30	--	100
		7CC-BT-10	Anatomy; Economic Botany	DSC-10	Theory	4	120	70	30	30	100
		7CC-BT-11	Morphology; Plant Systematics	DSC-11	Theory	4	120	70	30	30	100
		DSE-5: # Refer to page 2		DSE-05	Theory	4	120	70	30	30	100
	VI	7CC-BT-12	Plant Physiology; Reproductive Biology of Angiosperms	DSC-12	Theory	4	120	70	30	30	100
		7CC-BT-13	Biomolecules and Plant Metabolism	DSC-13	Theory	4	120	70	30	30	100
		7CC-BT-14	Cell Biology	DSC-14	Theory	4	120	70	30	30	100
		7CC-BT-15	Genetics	DSC-15	Theory	4	120	70	30	30	100
		DSE-6: # Refer to page 2		DSE-06	Theory	4	120	70	30	30	100
		7SI-BT-01	Internship/Seminar	SI-01	Practical	4	120				
Level 5.5	NU-P7-BT	Exit 3: UG Degree Programme in Botany (on completion of 3 rd Year Learners may exit from the programme with UG Degree in Botany)							136 Credit		
4 th Year	VII	8CC-BT-16	Molecular Biology	DSC-16	Theory	4	120	70	30	30	100
		8CC-BT-17	Plant Biotechnology & Molecular Biology	DSC-17	Practical	4	120	100	30	--	100
		8CC-BT-18	Plant Biotechnology	DSC-18	Theory	4	120	70	30	30	100
		8CC-BT-19	Analytical Techniques in Plant Sciences	DSC-19	Theory	4	120	70	30	30	100
		DSE-7: # Refer to page 2		DSE-07	Theory	4	120	70	30	30	100
	VIII	8CC-BT-20	Natural Resource Management	DSC-20	Theory	4	120	70	30	30	100
		8CC-BT-21	Ethnobotany & Pharmacognosy	DSC-21	Theory	4	120	70	30	30	100
		8CC-BT-22	Plant Breeding & Biostatistics	DSC-22	Theory	4	120	70	30	30	100
		8CC-BT-23	Environmental Biotechnology	DSC-23	Theory	4	120	70	30	30	100
		DSE-8: # Refer to page 2		DSE-08	Theory	4	120	70	30	30	100
Level 6.0	NU-H8-BT	Exit 4: UG Degree Hons in Botany (on completion of 4 th Year Learners may exit from the programme with UG Degree Hons in Botany)							176 Credit		

Note: Total Marks will be calculated based on 20% of the marks obtained in the assignment and 80% of the marks obtained in the term-end examination.

Discipline Specific Elective (DSE):

Learners have to study 8 courses for Discipline Specific Elective (DSE). 4 courses of **Group A (Minor)** are prefixed i.e. Zoology and will be treated as Minor. Learners have to choose four papers for **Group B** from any one DSE subject from following DSE subjects.

Subject wise list of Discipline Specific Elective (DSE) for Group B:

Subject	CODE	Course	Group	Theory/ Prac.	Credit	Study Hours	TE FM	TE Pass %	Assig. FM	TM
Mathematics	NEC-MT-01	Basic Algebra	DSE-1	Theory	4	120	70	30	30	100
	NEC-MT-02	Fundamental of Analytical Geometry	DSE-2	Theory	4	120	70	30	30	100
	NEC-MT-03	Introduction to Calculus	DSE-3	Theory	4	120	70	30	30	100
	NEC-MT-04	Introduction to Linear Programming	DSE-4	Theory	4	120	70	30	30	100
Chemistry	NEC-CH-01	Application Oriented Chemistry-1	DSE-1	Theory	4	120	70	30	30	100
	NEC-CH-02	Basic Physical Chemistry	DSE-2	Theory	4	120	70	30	30	100
	NEC-CH-03	Basic Inorganic Chemistry	DSE-3	Theory	4	120	70	30	30	100
	NEC-CH-04	Basic Organic Chemistry	DSE-4	Theory	4	120	70	30	30	100
Geography	NEC-GR-01	Climate Change: Vulnerability and Adaptations	DSE-1	Theory	4	120	70	30	30	100
	NEC-GR-02	Disaster Management	DSE-2	Theory	4	120	70	30	30	100
	NEC-GR-03	Rural Development	DSE-3	Theory	4	120	70	30	30	100
	NEC-GR-04	Geography of Tourism	DSE-4	Theory	4	120	70	30	30	100

List of Courses under Multi-Disciplinary Course

Learners have to study any one course from each group (MDC 01, MDC 02 & MDC 03) as listed below:

MDC-01	NMD-BG-01	গণমাধ্যম ও গণজ্ঞাপন	MDC-01	Theory	4	120	70	30	30	100
	NMD-EC-01	Principles of Economics	MDC-01	Theory	4	120	70	30	30	100
	NMD-HI-01	Some Aspects of Indian History (Earliest Times to Mid-20 th Century)	MDC-01	Theory	4	120	70	30	30	100
	NMD-LS-01	Knowledge Resource Management	MDC-01	Theory	4	120	70	30	30	100
	NMD-ZO-01	Fundamentals of Zoology	MDC-01	Theory	4	120	70	30	30	100

MDC-02	NMD-BG-02	চলচ্চিত্র ও সাহিত্য	MDC-02	Theory	4	120	SWAYAM			
	NMD-SO-01	Population and Society	MDC-02	Theory	4	120	70	30	30	100
	NMD-PS-01	Feminism: Theory and Practice	MDC-02	Theory	4	120	70	30	30	100
	NMD-EG-01	Creative Writing and Literature	MDC-02	Theory	4	120	70	30	30	100
	NMD-CO-01	Accounting for All	MDC-02	Theory	4	120	70	30	30	100
	NMD-CH-01	Chemistry in Daily Life	MDC-02	Theory	4	120	70	30	30	100

MDC-03	NMD-PA-01	Human Resource Management	MDC-03	Theory	4	120	70	30	30	100
	NMD-ED-01	Best Practices in Inclusive Education	MDC-03	Theory	4	120	70	30	30	100
	NMD-MT-01	Statistical Techniques	MDC-03	Theory	4	120	70	30	30	100
	NMD-GR-01	Disaster Mitigation and Management	MDC-03	Theory	4	120	70	30	30	100

List of Courses under Value Added Course

Learners have to choose one course from list provided below for VAC-02.

5VA-CY-02	Cyber Security	VAC-02	Theory	4	120	SWAYAM			
5VA-UI-02	ভারত-সংস্কৃতি পরিক্রমা (Understanding India)	VAC-02	Theory	4	120	70	30	30	100
5VA-EI-02	Exploring the Indian Constitution	VAC-02	Theory	4	120	70	30	30	100

Note: Total Marks will be calculated based on 20% of the marks obtained in the assignment and 80% of the marks obtained in the term-end examination.