

Vidyasagar University
Botany and Forestry

Syllabus

M.Sc. Part-I (Theoretical Course)

Paper	Half	Subject	Marks
I	1 st	Microbiology	50
	2 nd	Phycology(10), Mycology(10), Pteridology(10), Gymnosperms(10)& Palaeobotany(10)	50
II	1 st	Taxonomy of Angiosperms	50
	2 nd	Bioinformatics and Computer Application	50
III	1 st	Silviculture(20), Silviculture System(20) and Nonwood Forest Produce(10)	50
	2 nd	Forest Surveying, Forest Mensuration and Forest Mangement	50

M.Sc. Part-I (Practical Course)

Paper	Half	Subject	Marks
IV	1 st	Microbiology(20), Phycology(10), Mycology(10),	40
	2 nd	Bryology(10), Pteridology(10), Gymnosperms & Palaeobotany(20)	40
V	1 st	Taxonomy of Angiosperms	40
	2 nd	Forestry	40
VI	1 st	Computer Applications	25
	2 nd	Seminar Talk	15

M.Sc. Part-II (Theoretical Course)

Paper	Half	Subject	Marks
VII	-----	Plant Physiology and Biochemistry	60
VIII	-----	Cytogenetics, Molecular Biology and Biotechnology	60
IX	1 st	Plant Ecology and Ecological Anatomy	50
	2 nd	Forest Pathology and Mycorrhizae	30
X		Special Paper (Cytogenetics and Molecular Biology, Plant Physiology and Biochemistry, Ecology and Taxonomy, Forestry and Mycorrhizae, Microbiology)	100

M.Sc. Part-II (Practical Course)

Paper	Subject	Marks
XI	Plant Physiology and Biochemistry	40
XII	Cytogenetics, Molecular Biology and Biotechnology	35
XIII	Plant Ecology and Ecological Anatomy	25

XIV	Special Paper (Cytogenetics and Molecular Biology, Plant Physiology and Biochemistry, Ecology and Taxonomy, Forestry and Mycorrhizae, Microbiology)	100
-----	--	-----

Research Projects : from 2000 onwards.

Sl. No.	Name of Project	Funding Agency	Amount (Rs. Lakhs)
01.	Production of gallic acid from raw tannin/	AICTE, New Delhi	6.00
02.	Production of Bacterial tanase.	UGC (Major)	6.00
03.	Phylogenetic relationships among Marhantiales	UGC (Minor)	00.50
04.	Selaginella Rhizophore (Molecular approach)	UGC (Major)	6.00
05.	Chemotaxonomy, molecular taxonomy and Ultra structural studies of Marchantiales	UGC	4.00
06.	FIST (Computerization)	D.S.T.	15.00
07.	Extension activities: Strengthening of Joint Forest Management through network in Eastern Region, (Jharkhand, West Bengal and Orissa)	SPWD, New Delhi	7.77