



Mahatma Gandhi Vidyamandir's
Loknete Vyankatrao Hiray Arts, Science and Commerce College,
 Panchavati, Nashik-422003
 (Affiliated to Savitribai Phule Pune University, Pune)

Class	M.Sc.-I
Academic Year	2021-22
Name of the Programme	M.Sc.- I Botany
Programme Code	PSB
Name of the Department	Botany
Name of the Head	Prof. Dr. S. B. Shisode

Nature of Attainment	Direct Attainment	Indirect Attainment	Overall Attainment	Attainment Level
Attainment Type	Direct Attainment	Average Indirect Attainment	2.41	GOOD
Total Contribution	2.40	2.46		
Weightage	80%	20%		
Attainment	1.92	0.49		


 C. Prof. Dr. S. B. Shisode.
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Home

Paper	Name of the Teacher	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
BOU111 Plant Systematics I	Mr. N. W. Sabale	1.23	0.00	1.29	0.00	1.40	0.70	1.05	1.40	0.70	0.00	0.00	1.40	0.00	0.70	0.00	0.70	0.00
BOU112 Cell Biology & Evolution	Mr. C. S. Sanap	4.75	0.00	4.98	0.00	5.43	2.72	4.07	5.43	2.72	0.00	0.00	5.43	0.00	2.72	0.00	2.72	0.00
BOU113 Cytogenetics & Plant Breeding	Mr. S. G. Sabale	1.09	0.00	1.14	0.00	1.25	0.62	0.93	1.25	0.62	0.00	0.00	1.25	0.00	0.62	0.00	0.62	0.00
BOD114 Pomoculture & Fruit Processing Technology	Miss. H. S. Gavitt	1.37	0.00	1.44	0.00	1.57	0.78	1.18	1.57	0.78	0.00	0.00	1.57	0.00	0.78	0.00	0.78	0.00
BODP 114 Practical based on BODT 114	Miss. H. S. Gavitt	1.68	0.00	5.27	0.00	5.75	2.88	4.31	5.75	2.88	0.00	0.00	5.75	0.00	2.88	0.00	2.88	0.00
BOUP 115 Practical based on BOU111,112,113	Mr. N. W. Sabale / Mr. C. S. Sanap	1.75	0.00	5.50	0.00	6.00	3.00	4.50	6.00	3.00	0.00	0.00	6.00	0.00	3.00	0.00	3.00	0.00
BOU121 Plant Systematics II	Mr. N. W. Sabale	1.33	0.00	1.39	0.00	1.52	0.76	1.14	1.52	0.76	0.00	0.00	1.52	0.00	0.76	0.00	0.76	0.00
BOU122 Molecular Biology	Mr. S. G. Sabale	1.49	0.00	1.56	0.00	1.70	0.85	1.27	1.70	0.85	0.00	0.00	1.70	0.00	0.85	0.00	0.85	0.00
BOU123 Biochemistry	Mr. C. S. Sanap	1.33	0.00	1.39	0.00	1.52	0.76	1.14	1.52	0.76	0.00	0.00	1.52	0.00	0.76	0.00	0.76	0.00
BODT 124 Floriculture and Nursery Management	Miss. H. S. Gavitt	1.61	0.00	1.69	0.00	1.84	0.92	1.38	1.84	0.92	0.00	0.00	1.84	0.00	0.92	0.00	0.92	0.00
BODP 124 Practical based on BODT 124	Miss. H. S. Gavitt	1.75	0.00	5.50	0.00	6.00	3.00	4.50	6.00	3.00	0.00	0.00	6.00	0.00	3.00	0.00	3.00	0.00
BOUP 125 Practical based on BOU121,122,123	Mr. N. W. Sabale / Mr. C. S. Sanap	1.75	0.00	5.50	0.00	6.00	3.00	4.50	6.00	3.00	0.00	0.00	6.00	0.00	3.00	0.00	3.00	0.00
Average Attainment (PO wise)		1.76	0	3.05	0	3.33	1.67	2.50	3.33	1.67	0	0	3.33	0	1.67	0	1.67	0

Direct Attainment **2.40**

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PO Number	POs and PSOs	Percent attainment
PO-1	Learn the terms, theories, assumptions, methods, principles, theorem statements and classification	2.35
PO-2	Fixed out the problem and resolve it using theories and practical knowledge.	2.04
PO-3	Inculcate his knowledge for carrying projects and advanced research related skills	2.13
PO-4	Actively participate in team on case studies and field-based situations	2.13
PO-5	Analyze and interpret ideas, evidences and experiences with learned scientific reasoning	2.35
PO-6	Aware and implement the subject facts that can be applied for the personal and social development	2.00
PO-7	Use digital literacy to retrieve and evaluate subject related information	2.48
PO-8	Get moral and ethical values for society as well as in research	2.13
PO-9	Give analytical reasoning to interpret research data	2.13
PO-10	Improve their managerial skills and abilities in subject related activities	2.13
PO-11	Inculcate continuous learning habit through all available resources	2.26
PSO1	Demonstrate and Understanding of principles and theories of Botany.	2.17
PSO2	Apply knowledge of Botany for entrepreneurship through nursery	2.26
PSO3	Demonstrate ability to apply knowledge of the diversity of plants in the	2.17
PSO4	take research work at the higher degree level in the field of Mycology	2.26
PSO5	have quality assurance and quality control ability required for bioindustry and research	1.91
PSO6	implement biological, Taxonomical, Phytomedicinal and knowledge of botany wherever necessary.	2.17
Indirect Attainment		2.46

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Planning to bridge the Gap

Name of the programme: M.Sc.-I Botany

Programme Code: PSB

Academic Year: 2021-22

Programme Outcome No. (POs)	Programme Outcome	Attainment	Activity Conducted	Future plan
PO-1	Learn the terms, theories, assumptions, methods, principles, theorem statements and classification	1.76	Home Assignments	Quiz Competition
PO-2	Fixed out the problem and resolve it using theories and practical knowledge.	0	Demonstration & Field Work	Hands on training
PO-3	Inculcate his knowledge for carrying projects and advanced research related skills.	3.05	Industrial Visit with MOU	To Increase MOU Activity
PO-4	Actively participate in team on case studies and field-based situations.	0	Group Discussions	Field project
PO-5	Analyse and interpret ideas, evidences and experiences with learned scientific reasoning	3.33	Poster Presentation Competitions	Arrange Guest Lectures
PO-6	Aware and implement the subject facts that can be applied for the personal and social development	1.67	Webinars & Seminars	Celebration of programme related days
PO-7	Use digital literacy to retrieve and evaluate subject related information	2.50	N-List, PPT Presentation	More ICT Facilities provide to students
PO-8	Get moral and ethical values for	3.33	Webinars &	Increase the

	society as well as in research		Awareness Programme	social activities
PO-9	Give analytical reasoning to interpret research data.	1.67	Webinar on Research Methodology	Expert Talk
PO-10	Improve their managerial skills and abilities in subject related activities.	0	Projects, Avishkar Competition Participation	Increase such activities
PO-11	Inculcate continuous learning habit through all available resources.	0	Information provided to student in form of You Tube Videos, Research Articles through Online Learning Platforms such as Telegram, Whatsapp Group, Google Meet, Zoom etc.	Increase such activity more.
PSO-1	Demonstrate and Understanding of principles and theories of Botany. Theses includes: Biodiversity, Cryptogamic Botany, Plant Physiology and Biochemistry, Molecular biology and cell biology, Ecology;	3.33	Demonstration practicals conducted in lab/ Field Visit	Industry and Field Visits
PSO-2	Apply knowledge of Botany for entrepreneurship through	0	Field &	Internship in

	nursery development, landscape gardening, herbal medicinal plant industry, mushroom cultivation.		Industrial Visit	Industries (under MOU)
PSO-3	Demonstrate ability to apply knowledge of the diversity of plants in the context of various disciplines of botany.	1.67	Webinars, Seminars	Increase the Interdisciplinary Competitions regarding the individual course
PSO-4	take research work at the higher degree level in the field of Medicinal Botany, Plant Ecology, Mycology and Plant pathology, Taxonomy, Plant Physiology, Pharmacognosy.	0	Expert Talk, Seminars and International and National Conferences	To arrange such activities more
PSO-5	have quality assurance and quality control ability required for bioindustry and research	1.67	Dissertation Projects	Hands on training in Industry
PSO-6	implement biological, Taxonomical, Phytomedicinal and knowledge of botany wherever necessary.	0	Live demonstration in field visit, Hands on training	Increase such activities more

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Class	M.Sc-II			
Academic Year	2021-22			
Name of the Programme	M.Sc.-II Botany			
Programme Code	PSB			
Name of the Department	Botany			
Name of the Head	Dr. S. B. Shisode			
Nature of Attainment	Direct Attainment	Indirect Attainment	Overall Attainment	Attainment Level
Attainment Type	Direct Attainment	Average Indirect Attainment	2.09	GOOD
Total Contribution	1.99	2.46		
Weightage	80%	20%		
Attainment	1.60	0.49		

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Class	M.Sc-II	Home																
Academic Year	2021-22																	
Name of the Programme	M.Sc.-II Botany																	
Programme Code	PSB																	
Name of the Department	Botany																	
Name of the Head	Dr. S. B. Shisode																	
Paper	Name of the Teacher	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
BOUT-231 Computational Botany	Mr. C. S. Sanap	1.41	0.00	1.48	0.00	1.61	0.81	1.21	1.61	0.81	0.00	0.00	1.61	0.00	0.81	0.00	0.81	0.00
BOUT-232 Developmental Botany	Mr. S. G. Sabale	1.47	0.00	1.54	0.00	1.68	0.84	1.26	1.68	0.84	0.00	0.00	1.68	0.00	0.84	0.00	0.84	0.00
BOUT-233 Plant Physiology	Mr. B. S. Kale	1.30	0.00	1.36	0.00	1.48	0.74	1.11	1.48	0.74	0.00	0.00	1.48	0.00	0.74	0.00	0.74	0.00
BODT-234 c) Plant Ecology	Mr. N. W. Sabale	1.49	0.00	1.56	0.00	1.71	0.85	1.28	1.71	0.85	0.00	0.00	1.71	0.00	0.85	0.00	0.85	0.00
BODP-234 Practical on BODT-234	Mr. N. W. Sabale	1.65	0.00	5.19	0.00	5.67	2.83	4.25	5.67	2.83	0.00	0.00	5.67	0.00	2.83	0.00	2.83	0.00
BOUP-235 Practical on BOUT 231, 232, 233	Mr. C. S. Sanap	1.75	0.00	5.50	0.00	6.00	3.00	4.50	6.00	3.00	0.00	0.00	6.00	0.00	3.00	0.00	3.00	0.00
BOUT-241 Botanical techniques	Mr. S. G. Sabale	1.38	0.00	1.44	0.00	1.57	0.79	1.18	1.57	0.79	0.00	0.00	1.57	0.00	0.79	0.00	0.79	0.00
BOUT-242 Advanced Plant Ecology	Miss H. S. Gavit	1.62	0.00	1.70	0.00	1.85	0.92	1.39	1.85	0.92	0.00	0.00	1.85	0.00	0.92	0.00	0.92	0.00
BODT-243 a) Applied mycology	Mr. C. S. Sanap	1.65	0.00	1.72	0.00	1.88	0.94	1.41	1.88	0.94	0.00	0.00	1.88	0.00	0.94	0.00	0.94	0.00
BODT-244 b) Herbal technology	Mr. N. W. Sabale	1.56	0.00	1.64	0.00	1.79	0.89	1.34	1.79	0.89	0.00	0.00	1.79	0.00	0.89	0.00	0.89	0.00
BODP-244 P.G. Dissertation	All staff	1.69	0.00	1.78	0.00	1.94	0.97	1.45	1.94	0.97	0.00	0.00	1.94	0.00	0.97	0.00	0.97	0.00
BOUP-245 Practical on	Mr. B. S. Kale	1.73	0.00	5.42	0.00	5.92	2.96	4.44	5.92	2.96	0.00	0.00	5.92	0.00	2.96	0.00	2.96	0.00
Average Attainment (PO wise)		1.56	0	2.53	0	2.76	1.38	2.07	2.76	1.38	0	0	2.76	0	1.38	0	1.38	0
Direct Attainment		1.99																

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PO Number	POs and PSOs	Percent attainment
PO-1	learn the terms, theories, assumptions, methods, principles, theorem statements and classification	2.50
PO-2	fixed out the problem and resolve it using theories and practical	2.09
PO-3	inculcate his knowledge for carrying projects and advanced research related skills.	2.36
PO-4	actively participate in team on case studies and field-based situations.	2.32
PO-5	analyse and interpret ideas, evidences and experiences with learned scientific reasoning	2.32
PO-6	aware and implement the subject facts that can be applied for the personal and social development	2.18
PO-7	use digital literacy to retrieve and evaluate subject related	2.41
PO-8	get moral and ethical values for society as well as in research	2.14
PO-9	give analytical reasoning to interpret research data.	2.14
PO-10	improve their managerial skills and abilities in subject related	1.75
PO-11	inculcate continuous learning habit through all available resources.	2.55
PSO1	Demonstrate and understanding of principles and theories of botany.	2.36
PSO2	Apply knowledge of botany for entrepreneurship through nursery	2.27
PSO3	Demonstrate ability to apply knowledge of the diversity of plants in	2.23
PSO4	Take research work at the higher degree level in the field of mycology and plant pathology, Taxonomy, Plant Physiology, Pharmacognosy.	2.36
PSO5	have quality assurance and quality control ability required for bioindustry and research	2.14
PSO6	Implement biological, Taxonomical, Phytomedicinal and knowledge of botany wherever necessary	2.23
Indirect Attainment		2.46

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Planning to bridge the Gap

Name of the programme: M.Sc.-II Botany

Programme Code: PSB

Academic Year: 2021-22

Programme Outcome No. (POs)	Programme Outcome	Attainment	Activity Conducted	Future plan
PO-1	Learn the terms, theories, assumptions, methods, principles, theorem statements and classification	1.56	Home Assignments	Quiz Competition
PO-2	Fixed out the problem and resolve it using theories and practical knowledge.	0	Demonstration & Field Work	Hands on training
PO-3	Inculcate his knowledge for carrying projects and advanced research related skills.	2.53	Industrial Visit with MOU	To Increase MOU Activity
PO-4	Actively participate in team on case studies and field-based situations.	0	Group Discussions	Field project
PO-5	Analyse and interpret ideas, evidences and experiences with learned	2.76	Poster Presentation	Arrange Guest

	scientific reasoning		Competitions	Lectures
PO-6	Aware and implement the subject facts that can be applied for the personal and social development	1.38	Webinars & Seminars	Celebration of programme related days
PO-7	Use digital literacy to retrieve and evaluate subject related information	2.07	N-List, PPT Presentation	More ICT Facilities provide to students
PO-8	Get moral and ethical values for society as well as in research	2.76	Webinars & Awareness Programme	Increase the social activities
PO-9	Give analytical reasoning to interpret research data.	1.38	Webinar on Research Methodology	Expert Talk
PO-10	Improve their managerial skills and abilities in subject related activities.	0	Projects, Avishkar Competition Participation	Increase such activities
PO-11	Inculcate continuous learning habit through all available resources.	0	Information provided to student in form of You Tube Videos, Research Articles through Online Learning Platforms such as Telegram, Whatsapp Group, Google Meet, Zoom etc.	Increase such activity more.

PSO-1	Demonstrate and Understanding of principles and theories of Botany. These includes: Biodiversity, Cryptogamic Botany, Plant Physiology and Biochemistry, Molecular biology and cell biology, Ecology;	2.76	Demonstration practicals conducted in lab/ Field Visit	Industry and Field Visits
PSO-2	Apply knowledge of Botany for entrepreneurship through nursery development, landscape gardening, herbal medicinal plant industry, mushroom cultivation.	0	Field & Industrial Visit	Internship in Industries (under MOU)
PSO-3	Demonstrate ability to apply knowledge of the diversity of plants in the context of various disciplines of botany.	1.38	Webinars, Seminars	Increase the Interdisciplinary Competitions regarding the individual course
PSO-4	take research work at the higher degree level in the field of Mycology and Plant pathology, Taxonomy, Plant Physiology, Pharmacognosy.	0	Expert Talk, Seminars and International and National Conferences	To arrange such activities more
PSO-5	have quality assurance and quality control ability required for bioindustry and research	1.38	Dissertation Projects	Hands on training in Industry
PSO-6	implement biological, Taxonomical, Phytomedicinal and knowledge of botany wherever necessary.	0	Live demonstration in field visit, Hands on training	Increase such activities more

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