

CURRICULUM

UNDER CHOICE BASED CREDIT SYSTEM

(w.e.f session 2016-2017)

MASTER OF SCIENCE (MSC)

PROGRAMME

IN

Botany

SIDHO-KANHO-BIRSHA UNIVERSITY
PURULIA, WEST BENGAL

SIDHO-KANHO-BIRSHA UNIVERSITY

Curriculum

MASTER OF SCIENCE (MSc) PROGRAMME IN

BOTANY

(w.e.f academic session: 2016-2017)

	Course Code	Course Title	Credit	Marks
SEM-1	MBOTCCT101	Microbiology & Phycology	4	40+10
	MBOTCCT102	Mycology & Plant Pathology	4	40+10
	MBOTCCT103	Bryology & Pteridology	4	40+10
	MBOTCCT104	Biomolecules & Cell and Molecular Biology	4	40+10
	MBOTCCS105	Phycology , Mycology ,Bryology & Pteridology	4	50
	MBOTCCS106	Microbiology, Plant Pathology & Cell and Molecular Biology.	4	50
SEM-2	MBOTCCT201	Gymnosperms , Paleobotany and Palynology	4	40+10
	MBOTCCT202	Plant Anatomy, Developmental Biology & Pharmacognosy	4	40+10
	MBOTCCT203	Genetics and Genomics & Plant Biotechnology	4	40+10
	MBOTCCT204	Taxonomy of Angiosperms, Biosystematics & Ecology	4	40+10
	MBOTCCS205	Gymnosperms, Palaeobotany, Palynology, Plant Anatomy, Developmental Biology & Pharmacognosy	4	50
	MBOTCCS206	Genetics and Genomics, Taxonomy& Ecology	4	50
SEM-3	MBOTCCT301	Plant Physiology & Plant Biochemistry	4	40+10
	MBOTCCT302	Economic Botany & Bioinformatics	4	40+10
	MBOTCCT303	Elements of Forestry & Seed Technology	4	40+10
	MBOTOET304	OPEN ELECTIVE	4	50
	MBOTCCS305	Plant Physiology, Seed Technology and Plant Biochemistry & Forestry	4	50
	MBOTOPS306	Outreach Programme	4	50
SEM-4	MBOTCCT401	Instrumentation & Biostatistics	4	40+10
	MBOTMET402	Paper I of opted Major Elective Group	4	40+10
	MBOTMET403	Paper II of opted Major Elective Group	4	40+10
	MBOACT404	ADD-ON COURSE	4	50
	MBOTMES405	Practical (Major Elective)	4	50
	MBOTMEP406	Project & Dissertation	4	50

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LIST OF MAJOR ELECTIVE COURSES

Students of the **BOTANY** course are required to study **ONE** Group from the available groups (if any)

Group-A

Paper	Course Ref Code	Course Title	Credit	Marks
I	MBOTMET402A	Paleobotany & Palynology-I	4	40+10
II	MBOTMET403A	Paleobotany & Palynology-II	4	40+10

Group-B

Paper	Course Ref Code	Course Title	Credit	Marks
I	MBOTMET402B	Taxonomy of Angiosperms & Biosystematics -I	4	40+10
II	MBOTMET403B	Taxonomy of Angiosperms & Biosystematics -II	4	40+10

Group-C

Paper	Course Ref Code	Course Title	Credit	Marks
I	MBOTMET402C	Mycology and Plant Pathology -I	4	40+10
II	MBOTMET403C	Mycology and Plant Pathology -II	4	40+10

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LIST OF OPEN ELECTIVE COURSES

Students of the **BOTANY** course are required to study **ONE** Open Elective Course from the following list of courses to be selected from the courses not offered by the department of **BOTANY**.

Course ref Code	Course Title	Offered by Department	Credit	Marks
MOE1	Gerontology	Anthropology & Tribal Studies	4	50
MOE2	Bangla Sahityo o Sanskriti	Bengali	4	50
MOE3	Sustainable Agriculture and Food Security	Botany	4	50
MOE4	Entrepreneurship Developments	Commerce	4	50
MOE5	Essence of Chemistry	Chemistry	4	50
MOE6	Intellectual Property Rights	Economics	4	50
MOE7	Yoga Education	Education	4	50
MOE8	Business English and Grammar	English	4	50
MOE9	Land and People	Geography	4	50
MOE10	Urban Study	History	4	50
MOE11	Statistical Methods	Mathematics	4	50
MOE12	Modern Indian Thoughts	Philosophy	4	50
MOE13	Nature of Universe and Concepts of Physics: Inventions and Applications	Physics	4	50
MOE14	Human Rights Study	Political Science	4	50
MOE15	Ancient Indian Culture and Science	Sanskrit	4	50
MOE16	Communicative Santali	Santali	4	50
MOE17	Social Relations	Sociology	4	50
MOE18	Biodiversity and Wildlife Conservation	Zoology	4	50

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LIST OF ADD-ON COURSES

Students of the **BOTANY** course are required to study **ONE** Add-On course from the following list of courses

Course ref Code	Course Title	Offered by Department	Credit	Marks
MAC1	Environmental protection and management	Botany	4	50
MAC2	Statistical Analysis	Economics	4	50
MAC3	Communicative English	English	4	50
MAC4	Computer Application	Mathematics	4	50
MAC5	Value Based Education	Philosophy	4	50
MAC6	Indian Constitution	Political Science	4	50
MAC7	Communicative Sanskrit	Sanskrit	4	50
MAC8	Health, hygiene, sanitization	Zoology	4	50