

**1st Semester B.Sc
Multi Disciplinary Course Routine
(From the month of August, 2025 to November, 2025)**

MDC for B.Sc: Option: Life Sciences & Environment

Paper: MDC – 1: Basics in Life Sciences

Paper Code: MDC-01033

Days: Thursday, Friday, Saturday

Time: 10 AM to 11 AM

Roll No Range: 25BD0001 to 25BD366 – Total 325

Room: OBH – 1, OBH – 3, OBH – 4, OBH – 5

*****First week: 1 to 7, 2nd week: 8 to 15, 3rd week: 16 to 23, 4th week: 24 to 31**



B.SC. 1ST SEMESTER, SESSION: 2025

Allotment of classes on Multi Disciplinary Course, Option: Life sciences & Environment
MDC-1: Basics in Life Sciences, Paper Code: MDC0100703

Sl No	TOPIC	FACULTY
1	General features of Bacteria, Viruses, Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms & Integrated diseases management	Bhagyashree Goswami
2	Basics of Plant science, Elements of Economic Botany, Importance of Agriculture in National economy	Dr. Akhil Baruah
3	Breeding methods for self pollinated, cross-pollinated and clonally propagated crops, objectives and accomplishments in plant breeding and the role of National institutes	Nisha Moshahary
4	Mechanism of evolution of life, Fossil evidence of human evolution, Mammal, Primate, Modern apes, Man's place in the animal kingdom, Racial criteria, Major races, Racial classification, Racial elements in India	Dr Nabanita Medhi

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5	Basic principles of Aquaculture, prospects and challenges of aquaculture in North Eastern States, Diversification of aquaculture, Induced breeding and larval rearing, integrated and composite fish farming, Pearl culture, Prawn culture, Crustacean and Crab culture, Post harvest technology, Fish preservation – principle and practices	Dr Sangita Baruah
6	Origin and history of Sericulture, races and classification of silkworm - economic advantages, scope of sericulture in India, domesticated and semi domesticated silk worm of NE India and their economic viability, culture of silk worm, propagation of food plants of silk worm, sericulture as an entrepreneurship venture, natural dye of silk	Dr Juli Boiragi
7	Apiculture – general morphology and behavior of honey bee, importance and history of honey bee culture in NE India, diversity and major types of economically important honeybees in NE India, selection of bee species for apiculture, artificial bee rearing – Newton and Langstroth box	Minakshi Sharma
8	Application of life science – origin, history, scope and definition of Biotechnology, concept of gene, Genetics, Heredity, gene manipulation and genetic engineering, concept of DNA, RNA, PCR, molecular markers, cloning and sequencing, applications of Biotechnology in medicine, agriculture, environment, food and industry.	Dr Manika Das Katak



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For 4th week of August & 4th Week of October

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	BHAGYASHREE GOSWAMI
		25BD0123 to 0244	B	OBH - 3	DR AKHIL BARUAH
		25BD0245 to 0366	C	OBH -4	NISHA MOCHAHARY
		ALL B.C.A & BIO-TECH	D	OBH - 5	DR NABANITA MEDHI

For 1st week of September & 1st Week OF November

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	DR SANGITA BARUAH
		25BD0123 to 0244	B	OBH - 3	DR JULI BOIRAGI
		25BD0245 to 0366	C	OBH -4	MINAKSHI SHARMA
		ALL B.C.A & BIO-TECH	D	OBH - 5	DR MANIKA DAS KATAKI


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For 2nd week of September & 2nd Week of November

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	DR NABANITA MEDHI
		25BD0123 to 0244	B	OBH – 3	BHAGYASHREE GOSWAMI
		25BD0245 to 0366	C	OBH -4	DR AKHIL BARUAH
		ALL B.C.A & BIO-TECH	D	OBH – 5	NISHA MOCHAHARY

For 3rd week of September

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	NISHA MOCHAHARY
		25BD0123 to 0244	B	OBH – 3	DR NABANITA MEDHI
		25BD0245 to 0366	C	OBH -4	BHAGYASHREE GOSWAMI
		ALL B.C.A & BIO-TECH	D	OBH – 5	DR AKHIL BARUAH

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For 4th week of September

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	DR AKHIL BARUAH
		25BD0123 to 0244	B	OBH – 3	NISHA MOCHAHARY
		25BD0245 to 0366	C	OBH -4	DR NABANITA MEDHI
		ALL B.C.A & BIO-TECH	D	OBH – 5	BHAGYASHREE GOSWAMI

For 1st week of October

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	DR JULI BOIRAGI
		25BD0123 to 0244	B	OBH – 3	DR NABANITA MEDHI
		25BD0245 to 0366	C	OBH -4	DR MANIKA DAS KATAKI
		ALL B.C.A & BIO-TECH	D	OBH – 5	MINAKSHI SHARMA


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For 2nd week of October

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Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	MINAKSHI SHARMA
		25BD0123 to 0244	B	OBH – 3	DR MANIKA DAS KATAKI
		25BD0245 to 0366	C	OBH -4	DR NABANITA MEDHI
		ALL B.C.A & BIO-TECH	D	OBH – 5	DR JULI BOIRAGI

For 3rd week of October

Day	Time	Roll No Range	Group Name	Room No	Name of Faculty
Thursday Friday Saturday	10 AM to 11 AM	25BD0001 to 0122	A	OBH -1	DR MANIKA DAS KATAKI
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