

CURRICULUM

B.Sc. Honours in Botany
(W.e.f. 2017-2018)



UNDER CHOICE BASED CREDIT SYSTEM
COOCH BEHAR PANCHANAN BARMA UNIVERSITY
COOCH BEHAR, WEST BENGAL

COOCH BEHAR PANCHANAN BARMA UNIVERSITY

CURRICULUM

B. Sc. HONOURS IN BOTANY

(6 Semesters Pattern)

(With effect from 2017-2018 academic Sessions and onwards)



B.Sc. Honours in Botany

There will be six semesters in the three-year B.A Honours in Botany. The Curriculum consists of 14 Core Courses (C), 2 Ability Enhancement Compulsory Courses (AECC), 2 Skill Enhancement Courses (SEC) and 4 Discipline Specific Elective (DSE) Courses and 4 **Generic Elective (GE) courses** [to be taken from the pool of **Generic Elective courses**]. Each course is of 50 marks. L stands for Lecture Hour, T for Tutorial Hour and P for Practical Hour.

B.Sc. HONOURS IN BOTANY: 1ST SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Phycology & Lichenology	Core Course-I		4			4
2	Phycology & Lichenology (Practical)	Core Course-I (Practical)				4	2
3	Mycology & Phytopathology	Core Course-II		4			4
4	Mycology & Phytopathology (Practical)	Core Course-II (Practical)				4	2
5	GE-I	GE					4
6	GE-I (Practical)	GE					2
7	Eng/EVS	AECC					4
				Total Credits			22

B.Sc. HONOURS IN BOTANY: 2nd SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Bryology Palaeobotany and Palynology	Core Course-III		4			4
2	Bryology Palaeobotany and Palynology (Practical)	Core Course-III (Practical)				4	2
3	Pteridology and Gymnosperms	Core Course-IV		4	0	0	4
4	Pteridology and Gymnosperms (Practical)	Core Course-IV (Practical)		0	0	4	2
5	GE-II	GE					4
6	GE-II (Practical)	GE					2
7	Eng/EVS	AECC					2
				Total Credits			20

B.Sc. HONOURS IN BOTANY: 3rd SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Morphology and Plant Anatomy	Core Course-V		4			4
2	Morphology and Plant Anatomy (Practical)	Core Course-V				4	2
3	Plant Systematics	Core Course-VI		4	0	0	4
4	Plant Systematics (Practicals)	Core Course-VI (Practical)				4	2
5	Phytogeography and Eco. Botany & Ethnobotany	Core Course- VII		4			4
6	Phytogeography and Eco. Botany &	Core Course-VII (Practical)				4	2

	Ethnobotany (Practical)						
7	GE-III	GE					4
8	GE-III (Practical)	GE					2
9	SEC-I	AEEC-I					2
				Total Credits			26

B.Sc. HONOURS IN BOTANY: 4th SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Biochemistry and Plant Metabolism	Core Course-VIII		4			4
2	Biochemistry and Plant Metabolism (Practical)	Core Course-VIII (Practical)				4	2
3	Ecology and Pharmacognosy	Core Course- IX		4			4
4	Ecology and Pharmacognosy (Practical)	Core Course- IX (Practical)				4	2
5	Microbiology	Core Course X		4			4
6	Microbiology (Practical)	Core Course X (Practical)				4	2
7	GE-IV	GE					4
8	GE-IV (Practical)	GE					2
9	SEC-II	AEEC-II					2
				Total Credits			26

B.Sc. HONOURS IN BOTANY: 5th SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Plant Physiology	Core Course- XI		4			4
2	Plant Physiology (Practicals)	Core Course-XI (Practical)				4	2
3	Cell Biology and Genetics	Core Course- XII		4			4
4	Cell Biology and Genetics (Practical)	Core Course- XII (Practical)				4	2

5	DSE-I	DSE-I					4
6	DSE-I (Practical)	DSE-I					2
7	DSE-II	DSE-II					4
8	DSE-II (Practical)	DSE-II					2
						Total Credit	24

B.Sc. HONOURS IN BOTANY: 6th SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Molecular Biology and Biostatistics	Core Course-XIII		4			4
2	Molecular Biology and Biostatistics (Practicals)	Core Course- XIII (Practical)				4	2
3	Plant Biotechnology and Tissue culture	Core Course-XIV		4			4
4	Plant Biotechnology and Tissue culture (Practicals)	Core Course-XIV (Practical)				4	2
5	DSE-III	DSE-III					4
6	DSE-III (Practical)	DSE-III					2
7	DSE-IV	DSE-IV					4
8	DSE-IV (Practical)	DSE-IV					2
						Total Credit	24

Total Credit = 142

CURRICULUM FOR B. SC. PROGRAM IN BOTANY

COOCH BEHAR PANCHANAN BARMA UNIVERSITY, COOCHBEHAR

B.Sc. GENERAL IN BOTANY: 1ST SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Algae, Fungi, Bryophyta	Core Course-I		4			4
		Core Course-I (Practical)				4	2
	DSC 2A [other Discipline]	Core Course-II					6
	DSC 3A [other Discipline]	Core Course-III					6
	EVS	AECC					2
Total Credit							20

B.Sc. GENERAL IN BOTANY: 2ND SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Pteridophytes, Gymnosperms and Palaeobotany	Core Course-IV		4			4
		Core Course-IV (Practical)				4	2
	DSC 2B [other Discipline]	Core Course-V					6
	DSC 3B [other Discipline]	Core Course-VI					6
	English	AECC					2
Total Credit							20

B.Sc. GENERAL IN BOTANY: 3RD SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Plant Taxonomy and Plant Anatomy	Core Course-VII		4			4
		Core Course-VII (Practical)				4	2
	DSC 2C [other Discipline]	Core Course-VIII					6
	DSC 3C [other Discipline]	Core Course-IX					6
	Skill Enhancement Course	SEC-1					2
Total Credit							20

B.Sc. GENERAL IN BOTANY: 4TH SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Plant Physiology and Cytogenetics	Core Course-X		4			4
		Core Course-X (Practical)				4	2
2	DSC 2D [other Discipline]	Core Course-XI					6
	DSC 3D [other Discipline]	Core Course-XII					6
	Skill Enhancement Course	SEC-2					2
Total Credit							20

B.Sc. GENERAL IN BOTANY: 5TH SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Skill Enhancement Course	SEC-3					2
2	Discipline Specific Elective (Theory)	DSE-1A		4			4
3	Practical	DSE-1A (Practical)				4	2
4	Discipline Specific Elective (Theory)	DSE-2A		4			4
6	(Practical)	DSE-2A (Practical)				4	2
7	Discipline Specific Elective (Theory)	DSE-3A		4			4
8	(Practical)	DSE-3A (Practical)				4	2
Total Credit							20

B.Sc. GENERAL IN BOTANY: 6TH SEMESTER

Sr. No.	Name of the subject	Nature	Code	Teaching Scheme In hours per week			Credit
				L	T	P	
1	Skill Enhancement Course	SEC-4					2
2	Discipline Specific Elective (Theory)	DSE-1B		4			4
3	Practical	DSE-1B (Practical)				4	2
4	Discipline Specific Elective (Theory)	DSE-2B		4			4
6	(Practical)	DSE-2B (Practical)				4	2
7	Discipline Specific Elective (Theory)	DSE-3B		4			4
8	(Practical)	DSE-3B (Practical)				4	2
Total Credit							20

TOTAL CREDIT = 120