

Curriculum
For B. Sc. (Honours) Botany and
B. Sc. Program with Botany

Submitted to

KAZI NAZRUL UNIVERSITY

Under

Choice Based Credit System
(For Session 2016-2017)

Syllabus for Botany Honours
Kazi Nazrul University, Asansol
Semester – 1

Sr. No.	Name of the subject	Nature	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 Credit →						22

Semester – II

Sr. No.	Name of the subject	Nature	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	Morphology and Plant Anatomy	Core Course-IV	4			4
4	Morphology and Plant Anatomy (Practical)	Core Course-IV			4	2
5	GE-II	GE				4
6	GE-II (Practical)	GE				2
7	Eng/EVS	AECC				2
						20

Semester – III

Sr. No.	Name of the subject	Nature	Teaching Scheme In hours per week			Credit
			L	T	P	
1	Plant systematic	Core Course-V	4	0	0	4
2	Plant systematic (Practicals)	Core Course-V (Practical)			4	2
3	Phytogeography and Eco. Botany	Core Course- VI	4			4
4	Phytogeography and Eco. Botany (Practical)	Core Course-VI (Practical)			4	2

5	Pteridology and Gymnosperms	Core Course-VII		4	0	0	4
6	Pteridology and Gymnosperms (Practical)	Core Course-VII (Practical)		0	0	4	2
7	GE-III	GE					4
8	GE-III (Practical)	GE					2
9	SEC-I	AEEC-I					2
							26

Semester – IV

Sr. No.	Name of the subject	Nature		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
							26

Semester – V

Sr. No.	Name of the subject	Nature		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

Semester – VI

Sr. No.	Name of the subject	Nature		Teaching Scheme In hours per week			Credit
				L	T	P	
1	Molecular Biology	Core Course-XIII		4			4
2	Molecular Biology (Practicals)	Core Course- XIII (Practical)				4	2
3	Plant Biotechnology and Tissue culture	Core Course-XIV		4			4
4	Plant Biotechnology and	Core Course-XIV				4	2

	Tissue culture (Practicals)	(Practical)					
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	30

Total Credit = 142

Curriculum for B.Sc. Botany Program

Kazi Nazrul University, Asansol

Semester – 1

Sr. No.	Name of the subject	Nature	Teaching Scheme In hours per week			Credit
			L	T	P	
1	Algae, Fungi, Bryophyta	Core Course-I	4			4
2		Core Course-I (Practical)			4	2
3	DSC 2A [other Discipline]	Core Course-II				6
4	DSC 3A [other Discipline]	Core Course-III				6
5	EVS	AECC				4
Total Credit						22

Semester – II

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
2		Core Course-IV (Practical)			4	2	
3	DSC 2B [other Discipline]	Core Course-V				6	
4	DSC 3B [other Discipline]	Core Course-VI				6	
5	English	AECC				2	
Total Credit						20	

Semester – III

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
2		Core Course-VII (Practical)			4	2	
3	DSC 2C [other Discipline]	Core Course-VIII				6	
4	DSC 3C [other Discipline]	Core Course-IX				6	
5	Skill Enhancement Course	SEC-1				2	
Total Credit						20	

Semester – IV

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
2		Core Course-X (Practical)			4	2	
3	DSC 2D [other Discipline]	Core Course-XI				6	
4	DSC 3D [other Discipline]	Core Course-XII				6	
5	Skill Enhancement Course	SEC-2				2	
Total Credit						20	

Semester – V

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

Semester – VI

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 = 122