

Curriculum
For
B.Sc. (Honours) Physics

Submitted
to

KAZI NAZRUL UNIVERSITY

Under

Choice Based Credit System
(From Session 2016-2017)

Department of Physics
Kazi Nazrul University
Asansol, West Bengal

2016

Department of Physics, Kazi Nazrul University, Asansol

Curriculum for B.Sc. Honours in Physics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Mathematical Methods of Physics-I	Core Course-I		5	1	0	6
2	Mechanics	Core Course-II		4	0	0	4
3	Mechanics Lab	Core Course-II Practical		0	0	4	2
4	GE-I	GE(Mathematics)					4/5
5	GE-I Lab/Tutorial	GE(Mathematics)					2/1
6	EVS	AECC					4
Total Credit =22							

Semester-II

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Mathematical Methods of Physics-II	Core Course VI		4	0	0	4
2	Mathematical Methods of Physics-II Lab	Core Course-VI Practical		0	0	4	2
3	Electricity and Magnetism	Core Course-IV		4	0	0	4
4	Electricity and Magnetism Lab	Core Course-IV Practical		0	0	4	2
5	GE-II	GE(Mathematics)					4/5
6	GE-II Lab/Tutorial	GE(Mathematics)					2/1
7	MIL	AECC					2
Total Credit =20							

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Classical Mechanics	Core Course-V		4	0	0	4
2	Classical Mechanics Lab	Core Course-V Practical		0	0	4	2
3	Thermal Physics- I	Core Course-III		4	0	0	4
4	Thermal Physics- I Lab	Core Course-III Practical		0	0	4	2
5	Electronics-I (Analog)	Core Course VII		4	0	0	4
6	Electronics-I (Analog) Lab	Core Course-VII Practical		0	0	4	2
7	GE-III	GE					4/5
8	GE-III Lab/Tutorial	GE					2/1
9	SEC -I	AEEC-I					2
Total Credit =26							

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Electromagnetic Theory	Core Course-VIII		4	0	0	4
2	Electromagnetic Theory Lab	Core Course-VIII Practical		0	0	4	2
3	Waves and Optics	Core Course IX		4	0	0	4
4	Waves and Optics Lab	Core Course-IX Practical		0	0	4	2
5	Electronic-II (Digital)	Core Course X		4	0	0	4
6	Electronic-II (Digital) Lab	Core Course-X Practical		0	0	4	2
7	GE-IV	GE					4/5
8	GE-IV Lab/Tutorial	GE					2/1
9	SEC -II	AEEC-II					2
Total Credit = 26							

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Quantum Mechanics	Core Course-XI		4	0	0	4
2	Quantum Mechanics Lab	Core Course-XI Practical		0	0	4	2
3	Thermal Physics-II	Core Course XII		4	0	0	4
4	Thermal Physics-II Lab	Core Course-XII Practical		0	0	4	2
5	DSE -I	DSE-I					4/5
6	DSE -I / Lab Tutorial	DSE-I					2/1
7	DSE -II	DSE-II					4/5
8	DSE -II Lab/ Lab Tutorial	DSE-II					2/1
Total Credit = 24							

Semester-VI

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Statistical Mechanics	Core Course-XIII		4	0	0	4
2	Statistical Mechanics Lab	Core Course-XIII Practical		0	0	4	2
3	Computational Physics	Core Course XIV		4	0	0	4
4	Computational Physics Lab	Core Course-XIV Practical		0	0	4	2
5	DSE -III	DSE-III					4/5
6	DSE -III / Lab Tutorial	DSE-III					2/1
7	DSE -IV	DSE-IV					4/5
8	DSE -IV Lab/ Lab Tutorial	DSE-IV					2/1
Total Credit =24							

Total Credit: 142

Curriculum
For
B.Sc. Program with Physics

Submitted
to

KAZI NAZRUL UNIVERSITY

Under

Choice Based Credit System
(From Session 2016-2017)

Department of Physics
Kazi Nazrul University
Asansol, West Bengal

2016

Department of Physics, Kazi Nazrul University, Asansol

Curriculum for B.Sc. with Physics [Choice Based Credit System]

Semester-I

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Mechanics	Core Course-I		4	0	0	4
2	Mechanics Lab	Core Course-I Practical		0	0	4	2
3	DSC 2A [other discipline]	Core Course-II					6
4	DSC 3AI [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 hour per week			credit
				L	T	P	
1	Electricity and Magnetism	Core Course-IV		4	0	0	4
2	Electricity and Magnetism Lab	Core Course-IV Practical		0	0	4	2
3	DSC 2B [other discipline]	Core Course-V					6
4	DSC 3B [other discipline]	Core Course-VI					6
5	English/MIL	AECC					2
				Total Credit =20			

Semester-III

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Thermal Physics	Core Course-VII		4	0	0	4
2	Thermal Physics Lab	Core Course-VII Practical		0	0	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-I					2
Total Credit =20							

Semester-IV

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Waves and Optics	Core Course X		4	0	0	4
2	Waves and Optics Lab	Core Course-X Practical		0	0	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 hour per week			credit
				L	T	P	
1	Skill enhancement Course	SEC-3					2
2	Discipline Specific Elective-1 (Theory)	DSE -1A					4/5
	Lab / Tutorial	DSE-1A					2/1
3	Discipline Specific Elective-2 (Theory)	DSE -2A					4/5
	Lab / Tutorial	DSE-2A					2/1
4	Discipline Specific Elective-3 (Theory)	DSE -3A					4/5
	Lab / Tutorial	DSE-3A					2/1
				Total Credit =20			

Semester-V

Sr. No.	Name of the Subject	Nature	Code	Teaching Scheme in hour per week			credit
				L	T	P	
1	Skill enhancement Course	SEC-4					2
2	Discipline Specific Elective-4 (Theory)	DSE -1B					4/5
	Lab / Tutorial	DSE-1B					2/1
3	Discipline Specific Elective-5 (Theory)	DSE -2B					4/5
	Lab / Tutorial	DSE-2B					2/1
4	Discipline Specific Elective-6 (Theory)	DSE -3B					4/5
	Lab / Tutorial	DSE-3B					2/1
				Total Credit =20			

Total Credit: 122