KAZI NAZRUL UNIVERSITY				FACULTY OF SCIENCE	DEGREE PROG	RAMME: PROGRAM IN PHYSICS	B.Sc. WITH EFFE					ECT FROM THE ACADEMIC SESSION: 2020-21					
Abbreviated	Discipline	Abbreviated Degree	Semester	Course Name	Course Type	Course Code	Course Details	L-T-P	Course	Sem	CA Marks		ESE Marks		Total Marks	Sem	
Degree	F	Programme	2	Mechanics					Credit	Credit		Theoretical		Theoretical 40		Marks	
						BSCPPHSC101	CC-1(1)	4 - 0 - 4	6		30	10	20	40	100 Marks of	150 +	
			I	Discipline 2: CC-1(1) of Other Discipline	C	See Pool	CC-2(1)	See Pool	6	22		See	Pool		Disc.2 &	Marks of	
				Discipline 3: CC-1(1) of Other Discipline			CC-3(1)		6						Disc.3	Disc.2 & Disc.3	
		-		Environment Studies	AE	AEE101	AECC-1	4 - 0 - 0	4			10		40	50	2130.5	
		-	Electricity and Magnetism			BSCPPHSC201	CC-1(2)	4 - 0 - 4	6	l	30	10	20	40	100	l	
				Discipline 2: CC-1(2) of Other Discipline	C	BSCITHSC201	CC-2(2)	4-0-4	6		30	10	20	+0	Marks of	150 +	
			II	Discipline 3: CC-1(2) of Other Discipline Discipline 3: CC-1(2) of Other Discipline		See Pool	CC-2(2)	See Pool	6	22	2 See Pool				Disc.2 &	Marks of Disc.2 &	
				English/MILCommunication	AE	See Pool	AECC-2	4 - 0 - 0	-	ļ		10		40	Disc 3 50	Disc.3	
				English/Milecommunication	AE	See F001	AECC-2	4-0-0	4			10		40	30		
		-		Thermal Physics and Statistical Mechanics	C	BSCPPHSC301	CC-1(3)	4 - 0 - 4	6		30	10	20	40	100		
1				Discipline 2: CC-1(3) of Other Discipline			CC-2(3)	6	1					Marks of	150 + Marks of		
			III	D' ' ' ' ' A GG (4') ' (O') D' ' ' ' '		See Pool	` '	See Pool		22		See	Pool		Disc.2 &	Disc.2 &	
				Discipline 3: CC-1(3) of Other Discipline			CC-3(3)		6						Disc.3	Disc.3	
BSCP	PHYSICS	BSCPPHS		Electrical Circuit Network Skills	SE	BSCPPHSSE301	SEC-1	0 - 0 - 8	4	<u> </u>	30		20		50		
BSCF		взетть	IV	Waves and Optics	C	BSCPPHSC401	CC-1(4)	4 - 0 - 4	6		30	10	20	40	100		
				Discipline 2: CC-1(4) of Other Discipline		See Pool	CC-2(4)		6		See Pool				Marks of	150 +	
				•				See Pool		22			Pool		Disc.2 & Disc.3	Marks of Disc.2 &	
				Discipline 3: CC-1(4) of Other Discipline			CC-3(4)		6		30 20					Disc.3	
				Basic Instrumentation Skills	SE	E BSCPPHSSE401 SEC-2 0 - 0 - 8 4							20	50			
		-		Modern Physics		BSCPPHSDSE501	T	5 - 1 - 0		1		10	1	40		1	
				Astronomy and Astrophysics (Any One	DSE	BSCPPHSDSE502	DSEC-1(1)	5 - 1 - 0	6			10		40	50	100 +	
			V	Discipline 2: DSE-1(1) of Other Discipline	DSE	See Pool	DSEC-2(1)	See Pool	6	22		See	Pool		Marks of	Marks of	
				Discipline 3: DSE-1(1) of Other Discipline Technical Drawing Skills	GE.		DSEC-3(1)		6	<u> </u> 	20	566			DSE chosen	DSEC	
				Technical Drawing Skills	SE	BSCPPHSSE501	SEC-3	0 - 0 - 8	4		30		20		50		
		-		Basic Electronics		BSCPPHSDSE601	Danc 1/2	4 - 0 - 4			30	10	20	40	100		
				Nanomaterials and Applications (Any One	DSE	BSCPPHSDSE602	DSEC-1(2)	4 - 0 - 4	6		30	10	20	40		150 +	
			VI	Discipline 2: DSE-1(2) of Other Discipline	Dol	See Pool	DSEC-2(2)	See Pool	6	22		See	Pool		Marks of	Marks of	
				Discipline 3: DSE-1(2) of Other Discipline Computational Physics	SE	BSCPPHSSE601	DSEC-3(2) SEC-4	0 - 0 - 8	6 4		30		20		DSE chosen	DSEC	
 				Total Credit and Marks	SE	DOCFFROSEOUI	SEC-4	0-0-8	4	132			20	ks of Disc.2 &	z Disc.3 + Mai	ks of DSEC	
1						1											

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Course; GE= Generic Elective Course; SE= Skill Enhancement; SEC= Discipline Specific Elective; DSEC= Discipline Specific Elective; CA=
Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Discipline-2: Students of a particular Program Course will choose Discipline-2 of any other Discipline except of his/her own. For example, if a student opts for Program Course in Physics then that student is required to opt Discipline-2 from Program Courses other than Physics. Once Discipline-2 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.

Discipline-3: Students of a particular Program Course will choose Discipline-3 of any other Discipline 2 already chosen. Once Discipline-3 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)

Discipline-2	Semester	Course Name	Course True	Course Code	Course Details	TTD	1 T D	T T D	Details L - T - P	Course	Sem	CA	CA Marks		ESE Marks		Sem
Discipinie-2	Semester	Course Name	Course Type	Course Code	Course Details	L-I-F	Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Marks			
	I	Mechanics		BSCPPHSC101	CC-2(1)	4 - 0 - 4	6		30	10	20	40	100	NA			
PHYSICS	II	Electricity and Magnetism	C	BSCPPHSC201	CC-2(2)	4 - 0 - 4	6	NI A	30	10	20	40	100	NT A			
PHYSICS	III	Thermal Physics and Statistical Mechanics	C	BSCPPHSC301	CC-2(3)	4 - 0 - 4	6	INA	30	10	20	40	100	NA			
	IV	Waves and Optics		BSCPPHSC401	CC-2(4)	4 - 0 - 4	6		30	10	20	40	100				

Discipline-3	Semester	Course Name		Course Type	Course Code	Course Details	L-T-P	Course	Sem		Marks	Total N		Total Marks	Se
Discipline-3	Semester	Course Name	Course Type	Course Code	Course Details	L-1-1	Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Walks	Mar	
	I	Mechanics			BSCPPHSC101	CC-3(1)	4 - 0 - 4	6		30	10	20	40	100	
PHYSICS	II	Electricity and Magnetism		C	BSCPPHSC201	CC-3(2)	4 - 0 - 4	6	NA	30	10	20	40	100	N.
ritisics	III	Thermal Physics and Statistical Mechanics			BSCPPHSC301	CC-3(3)	4 - 0 - 4	6		30	10	20	40	100	
	IV	Waves and Optics			BSCPPHSC401	CC-3(4)	4 - 0 - 4	6		30	10	20	40	100	
E. C. 16 Fl. 4 C. (DCFC) 2 C4 1	4	Compared to the Deep of the De	U 2												
1 ,	1 0	ram Course will choose DSEC-2 from DSEC-1 of Disci ram Course will choose DSEC-3 from DSEC-1 of Disci													—
me specific Elective Course (DSEC) -5: Studen	is of a particular Frogr	an Course win choose DSEC-3 from DSEC-1 of Disci	pine 3.												—
erwise Pool of Discipline Specific Elective Cour	rses (DSEC) offered by	this Discipline (when treated as Discipline 2 for other	Program Courses	across the faculties a	ns far as practicable)										
Discipline-2	Semester	Course Name		Course Type	Course Code	Course Details	L-T-P	Course	Sem	CA Marks		ESE	Marks	Total Marks	
	Semester			Course Type		Course Details		Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	N
	v	Modern Physics	(Any One)		BSCPPHSDSE501	DSEC-2(1)	-2(1) 5 - 1 - 0	6			10		40	50	
PHYSICS	•	Astronomy and Astrophysics	(Ally Olic)	DSE	BSCPPHSDSE502	DSEC-2(1)	5 - 1 - 0	0	NA		10		40	30	
	VI	Basic Electronics	(Any One)	DSE	BSCPPHSDSE601	DSEC-2(2)	4 - 0 - 4	6	11/1	30	10	20	40	100	1
	Na	Nanomaterials and Applications	(Ally Olic)		BSCPPHSDSE602	DSLC-2(2)	4 - 0 - 4	0		30	10	20	40	100	L_
	(D)(T)(0) (0) 11		n												
erwise Pool of Discipline Specific Elective Cour	ses (DSEC) offered by	this Discipline (when treated as Discipline 3 for other	Program Courses	across the faculties a	as far as practicable)			Course	G	CA	Marks	ECE	Marks		
Discipline-3	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Credit	Sem Credit		Theoretical			Total Marks	N
		Modern Physics		DSE	BSCPPHSDSE501	DSEC-3(1)	5 - 1 - 0	Credit	Crean	Tractical	10	Tractical	40		17
	V	Astronomy and Astrophysics	(Any One)		BSCPPHSDSE502		5 - 1 - 0	6			10		40	50	1
PHYSICS		Basic Electronics			BSCPPHSDSE601		4 - 0 - 4	 	NA	30	10	20	40	+	N
	VI	Nanomaterials and Applications	(Any One)		BSCPPHSDSE602	DSEC-3(2)	4-0-4	6		30	10	20	40	100	
		1	•	· ·			-				-				
Communication Courses offered as Ability En	hancement Compulsary	y Courses													
Discipline	Semester	Course Name		Course Type	Course Code	Course Details	L-T-P	Course	Sem		Marks		Marks	Total Marks	
-	2		1					Credit	Credit	Practical	Theoretical	Practical			M
		English Communication			AECCE201		4 - 0 - 0				10		40	_	N
English/MIL Communication	II	Bengali Communication	(Any One)	AE	AECCB201	AECC-2	4 - 0 - 0	4	NA		10		40	50	
English (1222 Communication		Hindi Communication	(1111) (1110)		AECCH201	112002	4 - 0 - 0]	INA		10		40	20	
		Urdu Communication			AECCU201		4 - 0 - 0				10		40		