

## Integral University, Lucknow Department of Mathematics & Statistics Curriculum Structure of UG & PG Program with Mathematics, Physics & Computer Science as per NEP 2020

		Subject I ( Mathematics) <u>Major</u> 4/5/6 Credits	Subject II ( Physics) Major 4/5/6 Credits	Subject III ( Computer Science) <u>Major</u> 4/5/6 Credits	Subject IV Minor Elective 4/5/6 Credits	Vocational Minor 3 Credits	Co- curricular** Minor 2	Industrial training Survey/ Research project Major 4 Credits	Total credit of the year	Cumulative minimum credits (Required for the award of
Year	Sem.	Own Faculty	Own Faculty	Any Faculty	Other Faculty	Vocational/ Skill development course	<b>Co-curricular</b> (Qualifying)	Inter/Intra Faculty related to main subject		certificates/ diploma/degree)
	I	B030101T/ <b>MT136</b> Differential Calculus & Integral Calculus (T- 4) B030102P/ <b>MT137</b> Practical using Mathematica /MATLAB (P-2)	B010101T/ <b>PY113</b> Mathematical Physics & Newtonian Mechanics( <b>T-4</b> ) B010102P/ <b>PY114</b> Mechanical Properties of Matter ( <b>P-2</b> )	B070101T/C <b>S127</b> Problem Solving using Computer (T-4) B070102P/C <b>S128</b> Software Lab using Python (P-2)	-	I030103V/ <b>MT143</b> Introduction to LaTeX (V-3)	(Z010101T/BE 105) Food Nutrition and Hygiene (T-2)		50	46 Certificate in Science
1	п	B030201T/ <b>MT138</b> Matrices and Differential Equations & Geometry (T-6)	B010201T/ <b>PY115</b> Thermal Physics & Semiconductor Devices ( <b>T-4</b> ) B010202P/ <b>PY116</b> Thermal Properties of Matter & Electronic Circuits( <b>P-2</b> )	B070201T/ <b>CS129</b> Database Management Systems (T-4) B070202P/ <b>CS130</b> Database Management Systems Lab(P- 2)	B150101T/ES125 /BM186 Basics of Environmental Sciences / Fundamentals of Management (T-4)	I030202V/ <b>MT144</b> LaTeX - Scientific Writing (V-3)	(Z020201T/NS 110) First Aid and Health (T-2)		30 (36+4+6 +4)	(Mathematics, Physics, Computer Science)
	ш	B030301T/ <b>MT228</b> Algebra & Mathematical Methods (T-6)	B010301T/ <b>PY207</b> Electromagnetic Theory & Modern Optics ( <b>T-4</b> ) B010302P/ <b>PY208</b> Demonstrative Aspects of Electricity & Magnetism ( <b>P-2</b> )	B070301T/C <b>S273</b> Operating Systems (T-4) B070302P/C <b>S274</b> Operating Systems Lab (P-2)		I030302V/ <b>MT234</b> Introduction to R (V-3)	(Z030301) Human values and Environment Studies (T-2)		50	92 Diploma in Science
2	IV	B030401T/ <b>MT229</b> Differential Equation & Mechanics (T-6)	B010401T/ <b>PY209</b> Perspectives of Modern Physics & Basic Electronics ( <b>T-4</b> ) B010402P/ <b>PY210</b> Basic Electronics Instrumentation	B070401T/ <b>CS275</b> Computer System Architecture (T-4) B070402P/ <b>CS276</b> Computer System Architecture Lab (P-	LN104/ ME231 Essential Professional Communication / Basic Manufacturing Process (T-4)	I030402V/ <b>MT235</b> Introduction to SPPSS (V-3)	(Z040401) Physical Education and Yoga (T-2)		(36+4+6 +4)	(Mathematics, Physics, Computer Science)
		B030501T/ <b>MT320</b> Group and Ring Theory & Linear Algebra (T-5)	(P-2) B010501T/PY311 Classical & Statistical Mechanics (T-4)	2) B070501T/C <b>S365</b> Analysis of Algorithms and Data Structures (T-4)			(Z050501)			138 Deck land
3	v	B030502T/ <b>MT321</b> Number Theory & Game Theory/ B030503T/ <b>MT322</b> Graph Theory & Discrete Mathematics/ B030504T/ <b>MT323</b> Differential Geometry & Tensor Analysis (T-5)	B010502T/ <b>PY312</b> Quantum Mechanics & Spectroscopy (T-4)	B070502T/ <b>CS366</b> Soft Computing (T-4)			Analytic Ability and Digital Awareness (T-2)	B030505R/ <b>MT</b> 333 Mathematics Project-1 ( <b>R-3</b> )	50 (40+4+6 )	Bachelor of Science (Mathematics & Physics with Computer Science)

						 -		-	
	VI	B030601T/ <b>MT324</b> Metric Space & Complex Analysis (T-4) B030602T/ <b>MT325</b> Numerical Analysis & Operations Research (T-4) B030603P/ <b>MT326</b> Practical on Numerical Analysis using Mathematica /MATLAB (P-2)	B010503P/ <b>PY313</b> Demonstrative Aspects of Optics & Lasers (P-2) B010601T/ <b>PY314</b> Solid State & Nuclear Physics (T-4) B010602T/ <b>PY315</b> Analog & Digital Principles & Applications (T-4) B010603P/ <b>PY316</b> Analog & Digital Circuits (P-2)	B070503P/ <b>CS367</b> Lab on Algorithms and Data <u>Structures with C++ (P-2)</u> B070601T/ <b>CS368</b> Data Communication and Computer Networks (T-4) B070602T/ <b>CS369</b> Cyber Security & Cyber Laws (T-4) B070603P/ <b>CS370</b> Lab on Computer Networks (P-2)		(Z060601) Communication Skills and Personality Development (T-2)	B030604R/ MT334 Mathematics Project-2 (R-3)		
	VП	B030701T/ <b>MT434</b> Real & Complex Analysis (T-5) B030702T/ <b>MT435</b> Advanced Modern Algebra (T-5) B030703T/ <b>MT436</b> Ordinary & Partial Differential Equations (T-5) B030704T/ <b>MT437</b> Discrete Structures (T-5)					B030705R/ MT443 Mathematics Research Project-1 ( <b>R-6</b> )	26 (20+6)	194
4	VIII	B030801T/ <b>MT438</b> Advanced Differential Geometry (T-4) B030802T/ <b>MT439</b> Optimization & Statistical Techniques (T- 4) (B030803T/ <b>MT440</b> ) Numerical Analysis with Application (T-4) (B030804T/ <b>MT441</b> ) Advanced Linear Algebra (T-4) (B030805P/ <b>MT442</b> ) Advanced Numerical Analysis Lab (P-4)			CA453 Fundamentals of Computer and C Programming (T-4)		B030806R/ MT444 Mathematics Research Project-2 (R-6)	30 (20+4+6 )	Bachelor (Research) in Mathematics
5	IX	B030901T/ <b>MT538</b> Geometry of Manifolds (T-5) B030902T/ <b>MT539</b> Integral Equations with boundary value problem (T-5) B030903T/ <b>MT540</b> Fluid Dynamics with Application (T-5) B030904T/ <b>MT541</b> Special Function (T-5)					B030905R/ MT546 Mathematics Research Project-3 ( <b>R-6</b> )	26 (20+6)	246 Master of Science in Mathematics
	X	B031001T/ <b>MT542</b> Mechanics with Application (T-5) B031002T/ <b>MT543</b> Functional Analysis and variational inequality (T- 5)					B031005R/ MT547 Mathematics Research Project-4 ( <b>R-6</b> )	26 (20+6))	



# Certificate in Science (Mathematics, Physics, Computer Science)

Year: First / Semester: First (Odd Semester)

						Perio	ds/ Per	week	Contin	uous Asse	ssment						At	tribu	tes			
;	. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)			Class Fest (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credi Points					Environ ment & Sustaina bility	Huma		
	1	B030101T/MT136	Differential Calculus & Integral Calculus	Theory		3	1	0	15	10	25	75	100	04	~		~					9 Kennester
	2	B010101T/PY113	Mathematical Physics & Newtonian Mechanics	Theory		3	1	0	15	10	25	75	100	04	√							3 second and a sec
	3	B070101T/CS127	Problem Solving using Computer	Theory	Core Major	3	1	0	15	10	25	75	100	04	~		~					4 December 2015 March
ſ	4	B030102P/MT137	Practical using Mathematica /MATLAB	Practical	(Compulsory)	0	0	4	15	10	25	75	100	02	~		~					9 Restrict Adversion
ſ	5	B010102P/PY114	Mechanical Properties of Matter	Practical		0	0	4	15	10	25	75	100	02	1		√					3 ADDREADS
ſ	6	B070102P/CS128	Software Lab using Python	Practical		0	0	4	15	10	25	75	100	02	~		~					4 BULLITON 8 ITELEN MORE AND I DECEMBER OF THE AND
ſ	7	I030103V/MT143	Introduction to LaTeX	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	~		~					9 ношти минисинани
	8	Z010101T	Food Nutrition and Hygiene	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	~		~	~	~	
					TOTAL	13	3	14	105	70	175	625	800	23								



Certificate in Science (Mathematics, Physics, Computer Science)

Year: First / Semester: Second (Even Semester)

						Perio	ds/ Per	week	Contin	uous Asse	ssment						At	tribute	s			
:	5. N.	Course Code	Course Title	Theory / Practical	Course Type					Teacher Assessme nt (TA)	Total	End Semester Examinat ion (ESE)	Subject Total	Fotal Credi Points	Emplo yabilit y	Entrep reneur ship	Skill Develo pment	Gende r Equali	Enviro nment & Sustai nabilit y	Huma n Volue	Profe ssion al Ethic s	United Nations Sustainable Development Goals (SDGs)
	1	B030201T/MT138	Matrices and Differential Equations & Geometry	Theory		4	2	0	15	10	25	75	100	06	~		√					
	2	B010201T/PY115	Thermal Physics & Semiconductor Devices	Theory		3	1	0	15	10	25	75	100	04	~							
	3	B070201T/CS129	Database Management Systems	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	√		√					4 BALEY BECELENN A BECELENN A BECELENN
	4	B010202P/PY116	Thermal Properties of Matter & Electronic Circuits	Practical		0	0	4	15	10	25	75	100	02	√							
	5	B070202P/CS130	Database Management Systems Lab	Practical		0	0	4	15	10	25	75	100	02	√		√					4 EXCITATION B RECENTION OF MORE ANALYSIS
	6	B150101T/EVS125	Basics of Environmental Sciences	Theory	Minor	3	1	0	15	10	25	75	100	04	~	√	√		~	~	~	
	7	I030202V/MT144	LaTeX – Scientific Writing	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	√		√					
	8	Z020201	First Aid and Health	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	√	~	√		√	~	~	3 second actin and write to are: 
					TOTAL	17	5	10	105	70	175	625	800	27								



Dip	loma in Scien	ce (Mathematics, Physic	s, Comp	uter Scienc	e)								Year:	Seco	ond /	' Sen	ieste	r: T	hird	(Ode	d Semester)
S. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture		Practic	Class Fast (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	yabilit	reneur	Skill	Gende r	Enviro		Profess ional Ethics	United Nations Sustainable Development Goals (SDGs)
1	B030301T/MT228	Algebra & Mathematical Methods	Theory		4	2	0	15	10	25	75	100	06	~		√					9 Addition and the second seco
2	B010301T/PY207	Electromagnetic Theory & Modern Optics	Theory		3	1	0	15	10	25	75	100	04	1							
3	B070301T/CS273	Operating Systems	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	~		~					4 Educity
4	B010302P/PY208	Demonstrative Aspects of Electricity & Magnetism	Practical		0	0	4	15	10	25	75	100	02	~		~					
5	B070302P/CS274	Operating Systems Lab	Practical		0	0	4	15	10	25	75	100	02	√		~					4 metric
6	I030302V/MT234	Introduction to R	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	1		~					
7	Z030301	Human values and Environment Studies	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	~		~	~	~	10 MEQUALINES
				TOTAL	. 14	4	10	90	60	150	550	700	23								



Diploma in Science (Mathematics, Physics, Computer Science)

Year: Second / Semester: Fourth (Even Semester)

			· · · · · · · · · · · · · · · · · · ·			Perio	ds/ Per	week	Contin	uous Asse	ssment					-						
s.	N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)			Class Fest (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	Emplo yabilit y	Entrep reneur ship	Skill Develo pment	Gende r Equali	Enviro nment & Sustai nabilit y	Huma n Valua	ional	United Nations Sustainable Development Goals (SDGs)
	1	B030401T/MT229	Differential Equation & Mechanics	Theory		4	2	0	15	10	25	75	100	06	~		~					
	2	B010401T/PY209	Perspectives of Modern Physics & Basic Electronics	Theory		3	1	0	15	10	25	75	100	04	✓							
	3	B070401T/CS275	Computer System Architecture	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	~		1					4 golist fitcarian j allotte hervites
4	4	B010402P/PY210	Basic Electronics Instrumentation	Practical		0	0	4	15	10	25	75	100	02	~		~					
:	5	B070402P/CS276	Computer System Architecture Lab	Practical		0	0	4	15	10	25	75	100	02	~		~					4 ERCENTER 9 METERPEATERCHE
	5	LN104T/ME231	Essential Professional Communication / Basic Manufacturing Process	Theory	Minor elective	3	1	0	15	10	25	75	100	04	~	~	~			√	1	9 REDER LANKAGE ALL STATESTICS ALL STATESTIC
7	7	I030402V/MT235	Introduction to SPPSS	Theory+ Practical	Vocational	2	0	2	-	-	-	100	100	03	~		~					
8		Z040401	Physical Education and Yoga	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	✓	~	1		~	√	√	3 waterie in an
					TOTAL	17	5	10	105	70	175	625	800	27								



# **B.Sc. in PMC (Mathematics, Physics)**

Year: Third / Semester: Fifth (Odd Semester)

						Perio	ds/ Per	week	Contin	uous Asse	ssment						Α	ttribut	es			
s	. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	lutoria l (T)	Practic al (P)	Cost (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	Emplo yabilit y	Entrep reneur ship	Skill Develo pment	Gende r Equali	Suctoi	Huma P n Value I	rofess ional Ethics	United Nations Sustainable Development Goals (SDGs)
	1	B030501T/MT320	Group and Ring Theory & Linear Algebra	Theory	Core Major (Compulsory)	4	1	0	15	10	25	75	100	05	√		√					
	2	<ul> <li>(a) B030502T/MT321</li> <li>(b)B030503T/MT322</li> <li>(c)B030504T/MT323</li> </ul>	Opt any one of the following: (a) Number Theory & Game Theory (b)Graph Theory& Discrete Mathematics (c) Differential Geometry & Tensor Analysis	Theory	Major(Elective)	4	1	0	15	10	25	75	100	05	~		1					9 sectores
	3	B010501T/PY311	Classical & Statistical Mechanics	Theory		3	1	0	15	10	25	75	100	04	~							
	4	B010502T/PY312	Quantum Mechanics & Spectroscopy	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	~							
	5	B010503P/PY313	Demonstrative Aspects of Optics & Lasers	Practical		0	0	4	15	10	25	75	100	02	~		~					9 version version
	6	Z050501	Analytic Ability and Digital Awareness	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	~		~	~	~	4 (DECETION COCCETION
	7	B030503R/MT333	Mathematics Project-I	Practical	Core Major	0	0	6	0	0	0	100	100	03	~		~		√		~	9 Advertises
					TOTAL	16	4	10	90	60	150	550	700	25								



	<b>B.</b>	Sc. in PMC (M	athematics, Computer	· Science	e)									Ye	ar: T	hird	l / Se	mes	ster: I	Fifth	ı ( <b>O</b>	dd Semester)
S. 1	N.	Course Code	Course Title	Theory / Practical	Course Type		ds/ Per Futoria 1 (T)	Practic	Class Test	Teacher Assessme nt (TA)		End Semester Examinatio n (ESE)	Subject Total	Fotal Credit Points	Emplo /ability	Entrep reneur ship	SI-iII	Fende r Equal	Enviro	Huma n Value	Profes sional Ethics	United Nations Sustainable Development Goals (SDGs)
1	1	B030501T/MT320	Group and Ring Theory & Linear Algebra	Theory	Core Major (Compulsory)	4	1	0	15	10	25	75	100	05	~		~					9 ADDREEM ADDREEM
2	2	(a)B030502T/MT321 (b)B030503T/MT322 (c)B030504T/MT323	Opt any one of the following: (a) Number Theory & Game Theory (b) Graph Theory & Discrete Mathematics (c) Differential Geometry & Tensor Analysis	Theory	Major(Elective)	4	1	0	15	10	25	75	100	05	~		~					9 Materiana
-	3	B070501T/CS365	Analysis of Algorithms and Data Structures	Theory		3	1	0	15	10	25	75	100	04	~		~					4 interior
4	4	B070502T/CS366	Soft Computing	Theory	Core Major (Compulsory)	3	1	0	15	10	25	75	100	04	~		$\checkmark$					4 DECEY B LECENT HOM AND 9 ADDRESS AND ADDRESS ADDRESS AND ADDRESS
4	1	B070503P/CS367	Lab on Algorithms and Data Structures with C++	Practical		0	0	4	15	10	25	75	100	02	$\checkmark$		$\checkmark$					4 incense i
(	5	Z050501	Analytic Ability and Digital Awareness	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	1		✓	~	~	4 sourr
-	7	B030503R/MT333	Mathematics Project-1	Practical	Core Major	0	0	6	0	0	0	100	100	03	~		√		~		~	9 AGENT MONITOR
					TOTAL	16	4	10	90	60	150	550	700	25								



B.S	e. in PMC (Ph	ysics, Computer Science	e)										Ye	ar: T	Third	l / Se	emes	ter: ]	Fifth	1 ( <b>O</b> d	dd Semester)
S. N.	Course Code	Course Title	Theory / Practical	Course Type	Lecture		Practic	Class Lest (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	Emplo yabilit y	Entrep reneur ship	CI-11	Gende r Equali	Enviro nment	Huma n Value I	Profess ional Ethics	United Nations Sustainable Development Goals (SDGs)
1	B010501T/PY311	Classical & Statistical Mechanics	Theory		3	1	0	15	10	25	75	100	04	~							
2	B010502T/PY312	Quantum Mechanics & Spectroscopy	Theory		3	1	0	15	10	25	75	100	04	~							
3	B070501T/CS365	Analysis of Algorithms and Data Structures	Theory	Core Major	3	1	0	15	10	25	75	100	04	~		~					4 merr
4	B070502T/CS366	Soft Computing	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	~		1					4 EDECETER 8 ELECTRONIC CONTROL 9 NOTIFIC TROVINGE
5	B010503P/PY313	Demonstrative Aspects of Optics & Lasers	Practical		0	0	4	15	10	25	75	100	02	✓		~					
6	B070503P/Cs367	Lab on Algorithms and Data Structures with C++	Practical		0	0	4	15	10	25	75	100	02	~		~					4 merr
6	Z050501	Analytic Ability and Digital Awareness	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	~		~	~	~	4 yours
7	B010504R/CS381	Physics/Computer Project-I	Practical	Core Major	0	0	6	0	0	0	100	100	03	~		~		~		√	9 AGUSTE MANNATAR
			. 14	4	14	105	70	175	625	800	25										



# Integral University, Lucknow Department of Mathematics & Statistics

Evaluation Scheme of Under Graduate & Post Graduate Program as per NEP-2020 Guidelines

w.e.f. Session 2022-23

## **B.Sc. in PMC (Mathematics, Physics)**

Year: Third / Semester: Sixth (Even Semester)

					Perio	ds/ Per	week	Contin	uous Asse	ssment						A	ttribut	es			
S. N	. Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	futoria l (T)		Cest (CT	Teacher Assessme nt (TA)	Total	End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	yabilit	Entrep reneur ship	Develo	Gende r		Tumo		
1	B030601T/MT324	Metric Space & Complex Analysis	Theory		3	1	0	15	10	25	75	100	04	√		1					
2	B030602T/MT325	Numerical Analysis & Operations Research	Theory		3	1	0	15	10	25	75	100	04	~		~					9 ACTIFICATION 12 SCRUGSLIL ACTIVICATION 12 SCRUGSLIL CONCUMPTING
3	B010601T/PY314	Solid State & Nuclear Physics	Theory	Core Major	3	1	0	15	10	25	75	100	04	~							
4	B010602T/PY315	Analog & Digital Principles & Applications	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	√							
5	B030603P/MT326	Practical on Numerical analysis using Mathematica /MATLAB	Practical		0	0	4	15	10	25	75	100	02	√		~					
6	B010603P/PY316	Analog & Digital Circuits	Practical		0	0	4	15	10	25	75	100	02	~							
7	Z060601	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	~		~	~	~	4 CHALITY EDICATION
8	B030604R/MT334	Mathematics Project-2	Practical	Core Major	0	0	6	0	0	0	100	100	03	√		~		√		√	
		•		TOTAL	. 14	4	14	105	70	175	625	800	25		-	-	•	•			



## w.e.f. Session 2022-23

**B.Sc. in PMC (Mathematics, Computer Science)** 

Year: Third / Semester: Sixth (Even Semester)

D	SC. III FIVIC (IVI	athematics, Computer S	cience)										rear	; I III	uu/	Sem	leste	1. OL	XIII (	Eve	n Semester)
					Perio	ds/ Per	week	Continu	uous Asse	ssment						A	ttribut	es		-	
s.	i. Course Code	Course Title	Theory / Practical	Course Type	Lecture (L)	futoria l (T)	Practic al (P)		Teacher Assessme nt (TA)	Total	End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points	Emplo yabilit y	Entrep reneur ship	Skill Develo pment	Gende	Enviro nment & Sustai nabilit y	~~	Profess ional Ethics	United Nations Sustainable Development Goals (SDGs)
	B030601T/MT324	Metric Space & Complex Analysis	Theory		3	1	0	15	10	25	75	100	04	~		$\checkmark$					9 meeter menter
	B030602T/MT325	Numerical Analysis & Operations Research	Theory		3	1	0	15	10	25	75	100	04	√		1					9 NOTIFIC ADDRESS 12 (SCHOOL) ADDRESS 12 (SCHOOL) ADDRESS 12 (SCHOOL)
	B070601T/CS368	Data Communication and Computer Networks	Theory	Core Major	3	1	0	15	10	25	75	100	04	~		~					4 INCLUER 8 ELECTINGUE AND 9 CONTENTION
	B070602T/CS369	Cyber Security & Cyber Laws	Theory	(Compulsory)	3	1	0	15	10	25	75	100	04	$\checkmark$		$\checkmark$					4 sector 9 sector sensitive
	B030603P/MT326	Practical on Numerical analysis using Mathematica /MATLAB	Practical		0	0	4	15	10	25	75	100	02	~		~					9 Meeter instance
	B070603P/CS370	Lab on Computer Networks	Practical		0	0	4	15	10	25	75	100	02	~		~					4 sectors 9 sectors sectors
	Z060601	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	$\checkmark$	>	~		~	$\checkmark$	$\checkmark$	4 gounty teocoron
	B030604R/MT334	Mathematics Project-II	Practical	Core Major	0	0	6	0	0	0	100	100	03	~		~		~		~	
			14	4	14	105	70	175	625	800	25										



w.e.f. Session 2022-23

# **B.Sc. in PMC (Physics, Computer Science)**

Year: Third / Semester: Sixth (Even Semester)

					Perio	ds/ Per	week	Contin	uous Asse	ssment						A	ttribut	es			
<b>S.</b> N	Course Code	Course Title	Theory / Practical	Course Type				Class Fest (CT)	Teacher Assessme nt (TA)		End Semester Examinat ion (ESE)	Subject Total	Fotal Credit Points			Skill Develo pment	Equan	Enviro nment & Sustai nabilit y	Volue	Profess ional Ethics	United Nations Sustainable Development Goals (SDGs)
1	B010601T/PY314	Solid State & Nuclear Physics	Theory		3	1	0	15	10	25	75	100	04	~							
2	B010602T/PY315	Analog & Digital Principles & Applications	Theory		3	1	0	15	10	25	75	100	04	~							9 ACCENT ADDRESS
3	B070601T/CS368	Data Communication and Computer Networks	Theory		3	1	0	15	10	25	75	100	04	~		~					4 incluin 8 incluin 2001 9 incluin and 9 incluin and 10 incluin an
4	B070602T/CS369	Cyber Security & Cyber Laws	Theory		3	1	0	15	10	25	75	100	04	~		~					4 Incrementations 9 Automatications
5	B070603P/CS370	Lab on Computer Networks	Practical		0	0	4	15	10	25	75	100	02	~		~					4 interve 1 interve
6	B010603P/PY316	Analog & Digital Circuits	Practical		0	0	4	15	10	25	75	100	02	√							
7	Z060601T	Communication Skills and Personality Development	Theory	Co-curricular (Compulsory)	2	0	0	15	10	25	75	100	02	~	~	1		~	~	~	4 guilty Execution
8	B010604R/CS382	Physics/Computer Project-II	Practical	Core Major	0	0	6	0	0	0	100	100	03	~		~		1		~	9 Administration
				TOTAL	. 14	4	14	105	70	175	625	800	25								