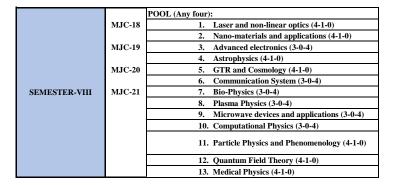
Abbreviated Degree Abbreviated Degree Programme Image: Constraint of the second of the se				FACULTY OF SCIENCE		PHYS	PROGRAMME: 3 YE ICS/4 YEARS DEGRE URS/ 4 YEARS DEGRI HONOURS WITH R	EE WITH PHYSICS	H WITH EFFECT FROM THE ACADEMIC SESSION: 2023-24								
Abburnt	- (- J.D	Abbreviated Degree	Gammadam	Course Name		Course	Comercia Contra	Course Dataila	L-T-P	Course	Sem	CA	Marks	ESE Marks Total			S Mla
Abbrevi	ated Degree		Semester	Course Name		Туре	Course Code	Course Details	L-T-P	Credit	Credit	Practical	Theoretical	Practical	Theoretical	Marks	Sem Marks
				PHYSICS MAJOR		MAJOR	BSCPHYMJ101	Mechanics and General properties of Matter	3 - 0 - 4	5		30	15	20	35	100	
			I	MINOR COURSE- Choose from the Pool of Minor Courses offered in 1st Semester by the other Disciplines		MINOR	See Pool	Mechanics and General properties of Matter	3 - 0 - 4	5	20	30	15	20	35	100	350
				Choose from the Pool of Multidisciplinary Courses offered in 1st Semester		MD	See Pool	MDC-1	3 - 0 - 0	3			15		35	50	
				English/MIL Communication		AEC	See Pool	AEC-1	4 - 0 - 0	4			15		35	50	_
				From Major		SEC	BSCPHYSE101	SEC-1	0 - 0 - 6	3		15		35		50	
				PHYSICS MAJOR		MAJOR	BSCPHYMJ201	Electricity and magnetism	3 - 0 - 4	5		30	15	20	35	100	350
			п	MINOR COURSE- Minor Course opted for in the 1st semester should be continued in the 2nd semester with syllabus content of 2nd semester		MINOR	Corresponding Course Code of Minor opted in 1st Semester	Electricity and magnetism	3 - 0 - 4	5	20	30	15	20	35	100	
				Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester	l	MD	See Pool	MDC-2	3 - 0 - 0	3			15		35	50	
				Environment Studies		VAC	VAC-201	VAC-1	4 - 0 - 0	4			15		35	50	
				From Major		SEC	BSCPHYSE201	SEC-2	0 - 0 - 6	3		15		35		50	
			Student ex	xiting the programmes after securing 40 credits will be awarded UG	Certificate in the rel			ey secure 4 credits in work during first and second se		ional course	s offered d	uring summ	er term or interi	nship / Appre	nticeship. In a	ddition to 6 c	credits from
						1		-								· · · · · · · · · · · · · · · · · · ·	
				PHYSICS MAJOR		MAJOR	BSCPHYMJ301	Mathematical Methods in Physics	4 - 1 - 0	5			30		70	100	400
							BSCPHYMJ301	in Physics		5		30		20			400
		взсрну		PHYSICS MAJOR PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines		MAJOR MAJOR MINOR			4 - 1 - 0 3 - 0 - 4 4 - 1 - 0		22	30	30 15 30	20	70 35 70	100 100 100	400
		вѕсрну		PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses		MAJOR	BSCPHYMJ301 BSCPHYMJ302	in Physics Optics Fundamentals of Optics MD-3	3 - 0 - 4	5	22	30	15	20	35 70 35	100	400
		вѕсрну		PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines Choose from the Pool of Multi-Disciplinary Courses offered in 3rd		MAJOR MINOR	BSCPHYMJ301 BSCPHYMJ302 See Pool	in Physics Optics Fundamentals of Optics	<u>3 - 0 - 4</u> 4 - 1 - 0	5	22	30	15 30	20	35 70	100	400
		взсрну		PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines Choose from the Pool of Multi-Disciplinary Courses offered in 3rd Semester	1	MAJOR MINOR MD	BSCPHYMJ301 BSCPHYMJ302 See Pool See Pool	in Physics Optics Fundamentals of Optics MD-3 AECC-2 Classical Mechanics and special theory of	3 - 0 - 4 4 - 1 - 0 2 - 1 - 0	5	22	30	15 30 15	20	35 70 35	100 100 50	400
		ВЅСРНУ		PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines Choose from the Pool of Multi-Disciplinary Courses offered in 3rd Semester English Communication		MAJOR MINOR MD AE	BSCPHYMJ301 BSCPHYMJ302 See Pool See Pool See Pool	in Physics Optics Fundamentals of Optics MD-3 AECC-2 Classical Mechanics and	3 - 0 - 4 4 - 1 - 0 2 - 1 - 0 4 - 0 - 0	5 5 3 4		30	15 30 15 15	20	35 70 35 35	100 100 50 50	
		вѕсрну	IV	PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplinary Courses offered in 3rd Semester English Communication PHYSICS MAJOR PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 4th Semester by the other Disciplines		MAJOR MINOR MD AE MAJOR MAJOR MINOR	BSCPHYMJ301 BSCPHYMJ302 See Pool See Pool BSCPHYMJ401 BSCPHYMJ402 See Pool	in Physics Optics Fundamentals of Optics MD-3 AECC-2 Classical Mechanics and special theory of relativity Heat and Thermal Physics Fundamentals of Thermal Physics	3 - 0 - 4 $4 - 1 - 0$ $2 - 1 - 0$ $4 - 0 - 0$ $4 - 1 - 0$ $3 - 0 - 4$ $4 - 1 - 0$	5 5 3 4 5 5 5 5	22	30	15 30 15 15 30	20	35 70 35 35 70 70	100 100 50 50 100 100 100	
		взсрну	IV	PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines Choose from the Pool of Multi-Disciplinary Courses offered in 3rd Semester English Communication PHYSICS MAJOR PHYSICS MAJOR MINOR COURSE- Choose from the Pool of Minor Courses		MAJOR MINOR MD AE MAJOR MAJOR	BSCPHYMJ301 BSCPHYMJ302 See Pool See Pool BSCPHYMJ401 BSCPHYMJ402	in Physics Optics Fundamentals of Optics MD-3 AECC-2 Classical Mechanics and special theory of relativity Heat and Thermal Physics Fundamentals of	3 - 0 - 4 4 - 1 - 0 2 - 1 - 0 4 - 0 - 0 4 - 1 - 0 3 - 0 - 4	5 5 3 4 5 5 5			15 30 15 15 30 15		35 70 35 35 70 35	100 100 50 50 100 100	

NUM NUM NUM NUM NUMM NUM					PHYSICS MAJOR		MAJOR	BSCPHYMJ501	Analog Electronics	3 - 0 - 4	5		30	15	20	35	100	
No. 1 No. 2 No. 3 No. 4 No. 4 <t< th=""><th></th><th></th><th></th><th></th><th>PHYSICS MAJOR</th><th></th><th>MAJOR</th><th>BSCPHYMJ502</th><th>-</th><th>3 - 0 - 4</th><th>5</th><th></th><th>30</th><th>15</th><th>20</th><th>35</th><th>100</th><th></th></t<>					PHYSICS MAJOR		MAJOR	BSCPHYMJ502	-	3 - 0 - 4	5		30	15	20	35	100	
NRM NRM See Poil Bak Britonic 1 5 -10 0 5 -10 0 0 <th< td=""><td></td><td></td><td></td><td>v</td><td>PHYSICS MAJOR</td><td></td><td>MAJOR</td><td>BSCPHYMJ503</td><td></td><td>4 - 1 - 0</td><td>5</td><td>20</td><td></td><td>30</td><td></td><td>70</td><td>100</td><td></td></th<>				v	PHYSICS MAJOR		MAJOR	BSCPHYMJ503		4 - 1 - 0	5	20		30		70	100	
Network with the second sec							MINOR	See Pool	**	4 - 1 - 0	5			30		70	100	
Normalize Particle																		
Normal Participants Participant Participants Partic					PHYSICS MAJOR		MAJOR	BSCPHYMJ601		4 - 1 - 0	5			30		70	100	
Note PHYSICS MAUGR MAUGR MAUGR BSCHIYMM98 Autoric add Malechanic **1-0 5 2 30 0 00 BSCH PHYSICS MAUGR MAUGR BSCHIYMM98 Condeneed Malechanic *1-10 5 1 0.0 1 0.0 10 <td< td=""><td></td><td></td><td>PHYSICS MAJOR</td><td></td><td>MAJOR</td><td>BSCPHYMJ602</td><td></td><td>3 - 0 - 4</td><td>5</td><td></td><td>30</td><td>15</td><td>20</td><td>35</td><td>100</td><td></td></td<>					PHYSICS MAJOR		MAJOR	BSCPHYMJ602		3 - 0 - 4	5		30	15	20	35	100	
NAME NAME NAME NAME NAME NAME Name Anise Name <	BSCH			VI	PHYSICS MAJOR		MAJOR	BSCPHYMJ603		4 - 1 - 0	5	22		30		70	100	
Image: Note of the second se					PHYSICS MAJOR		MAJOR	BSCPHYMJ603	Atomic and Molecular	4 - 1 - 0	5			30		70	100	
Image: condition of the control and Marks CREPT Condition of the control of the con		PHYSICS			Summer Internship			BSCPHYSI601	SI-1	0 - 0 - 4	2				35		50	
AVELARS DEGREE PHYSICS MAJOR O MAJOR BSCPHYMJ-701 Sutistical Mechnic+II 4-1-0 5 24 30 70 4 YEARS DEGREE PHYSICS MAJOR O MAJOR BSCPHYMJ-702 Quantum mechnic+II 4-1-0 5 24 30 70 70 4 YEARS DEGREE PHYSICS MAJOR O MAJOR BSCPHYMJ-702 Quantum mechnic+II 4-1-0 5 24 30 70 70 70 MINOR MAJOR BSCPHYMJ-702 Quantum mechnic+II 4-1-0 5 5 30 70 70 70 MINOR COURSE- Choose from the Pool of Minor Courses MAJOR See Pool Modem Physics 1 4-1-0 5 30 70 70 70 PHYSICS MAJOR MINOR See Pool Modem Physics 1 4-1-0 5 70 70 70 70 PHYSICS MAJOR MINOR See Pool MINOR See Pool Modem Physics 1 4-1-0 5 70 70 70 70					Total Credit and Marks							126						23
VI Image: condition of conditi					Students who v	3-year UG pr												
NUM Num <td></td> <td rowspan="5"></td> <td></td>																		
NUM Num <td rowspan="3"></td> <td></td> <td></td> <td>PHYSICS MAJOR</td> <td></td> <td>MAJOR</td> <td>BSCPHYMJ-701</td> <td>Statistical Mechanics-II</td> <td>4 - 1 - 0</td> <td>5</td> <td></td> <td></td> <td>30</td> <td></td> <td>70</td> <td>100</td> <td></td>					PHYSICS MAJOR		MAJOR	BSCPHYMJ-701	Statistical Mechanics-II	4 - 1 - 0	5			30		70	100	
VEARS DEGREE PHYSICS MAJOR MAJOR MAJOR BSCPHYMJ-703 Condensed matter physics-II 4 · 1 · 0 5 1 30 70 4 YEARS DEGREE HYSICS MAJOR MAJOR BSCPHYMJ-704 Indian Knowledge System (not come from the Pool of Minor Courses) MAJOR BSCPHYMJ-704 Indian Knowledge System (not come from the Pool of Minor Courses) 30 70 1 MINOR COURSE- Choose from the Pool of Minor Courses MINOR See Pool Modern Physics I 4 - 1 - 0 5 30 70 1 MINOR COURSE- Choose from the Pool of Minor Courses MINOR MINOR See Pool Modern Physics I 4 - 1 - 0 5 30 70 1 MINOR COURSE- Choose from the Pool of Minor Courses MAIOR BSCPHYMJ-801 MIOC-18 4 - 1 - 0 5 30 70 1 PHYSICS MAJOR PhySICS MAJOR MAIOR BSCPHYMJ-802 MIC-19 3 - 1 - 0 4 30 70 1 PHYSICS MAJOR PHYSICS MAJOR MAJOR BSCPHYMJ-802 MIC-20 3 - 1 - 0 4 30					PHYSICS MAJOR		MAJOR	BSCPHYMJ-702	Quantum mechanics-II	4 - 1 - 0	5			30		70	100	
4 YEARS DEGREE WITH HONOURS PHYSICS MAJOR Image: Mail of the pool of Minor Courses of the pool of the pool of Minor Courses of the pool of Minor Courses of the po				VII	PHYSICS MAJOR		MAJOR	BSCPHYMJ-703		4 - 1 - 0	5	25		30		70	100	5
offered in 7th Semester by the other Disciplines MINOR See Pool Modern Physics 1 4 - 1 - 0 5 5 6 30 70 Modern Physics 1 4 - 1 - 0 5 5 6 30 70 70 Modern Physics 1 4 - 1 - 0 5 6 30 70 70 Modern Physics 1 4 - 1 - 0 5 6 30 70 70 Modern Physics 1 Modern Physics 1 4 - 1 - 0 5 6 30 70 70 Modern Physics 1 Modern Physics 1 Modern Physics 1 4 - 1 - 0 5 6 60 60 70 Modern Physics 1 Modern Physics 1 Modern Physics 1 4 - 1 - 0 5 6 30 70 70 Modern Physics 1 Modern Physics 1 Modern Physics 1 Modern Physics 1 4 - 1 - 0 5 6 30 70 Modern Physics 1 Modern Physics 1 Modern Physics 1 3 - 1 - 0 4 2 30 70 70 Modern Physics 1 Modern Physics 1 Modern Physics 1 3 - 1 - 0					PHYSICS MAJOR		MAJOR	BSCPHYMJ-704	System (choose from	4 - 1 - 0	5			30		70	100	
VIII PHYSICS MAJOR Atleast 4 Major papers from the pool will be provided MAJOR BSCPHYMJ-802 MJC-19 3 - 1 - 0 4 30 70							MINOR	See Pool	Modern Physics I	4 - 1 - 0	5	-		30	70	70	100	
VIII PHYSICS MAJOR Atleast 4 Major papers from the pool will be provided MAJOR BSCPHYMJ-802 MJC-19 3 - 1 - 0 4 30 70					PHYSICS MAJOR		MAJOR	BSCPHYMJ-801	MJC-18	4 - 1 - 0	5			30		70	100	
VIII PHYSICS MAJOR Provided MAJOR BSCPHYMJ-803 MJC-20 3 - 1 - 0 4 22 30 70 PHYSICS MAJOR MAJOR BSCPHYMJ-804 MJC-21 3 - 1 - 0 4 30 70 70 MINOR COURSE- Choose from the Pool of Minor Courses MINOR See Pool Modern Physics II 4 - 1 - 0 5 30 70						•								30		70	100	
MINOR COURSE- Choose from the Pool of Minor Courses MINOR See Pool Modern Physics II 4-1-0 5				VIII	PHYSICS MAJOR		MAJOR	BSCPHYMJ-803	MJC-20	3 - 1 - 0	4	22		30		70	100	500
					PHYSICS MAJOR		MAJOR	BSCPHYMJ-804	MJC-21	3 - 1 - 0	4]		30		70	100	
							MINOR	See Pool	Modern Physics II	4 - 1 - 0	5			30		70	100	
Total Credit and Marks TOTAL CREDIT TOTAL TOTAL MARKS TOTAL TOTAL					Total Credit and Marks							173						33

							-								
			PHYSICS MAJOR	MAJOR	BSCPHYMJ-701	Statistical Mechanics-II	4 - 1 - 0	5			30		70	100	
			PHYSICS MAJOR	MAJOR	BSCPHYMJ-702	Quantum mechanics-II	4 - 1 - 0	5			30		70 1	100	-
	4 YEARS DEGREE WITH HONOURS WITH RESEARCH	VII	PHYSICS MAJOR	MAJOR	BSCPHYMJ-703	Condensed matter physics-II	4 - 1 - 0	5	25		30		70	100	5
			PHYSICS MAJOR	MAJOR	BSCPHYMJ-704	Indian Knowledge System (choose from pool)	4 - 1 - 0	5			30		70	100	
			MINOR COURSE- Choose from the Pool of Minor Courses offered in 7th Semester by the other Disciplines	MINOR	See Pool	Modern Physics I	4 - 1 - 0	5			30		70	100	
			PHYSICS MAJOR RESEARCH PROJECT / DISSERTATION	MAJOR	BSCPHYMJ-801 BSCPHYRP-801	MJC-18 RP-1	4 - 1 - 0 0 - 0 - 24	5 12	-	180	30	120	70 100 300		-
		VIII	MINOR COURSE- Choose from the Pool of Minor Courses offered in 8th Semester by the other Disciplines	MINOR	See Pool	Modern Physics II	4 - 1 - 0	5	22	180	30	120	70	100	
			Total Credit and Marks		1	TOTAL CREDIT			173		Т	OTAL MA	RKS		3
		•	Students will be awarded	UG Degree (Honours) wi	th Research in the relev	ant Discipline / Subject p	rovided they	secure 173	3 credits						
tions: MJC-= Ma	jor (Core); AE= Ability I	Enhanceme	nt; AECC= Ability Enhancement Compulsory Course; MNC= Minor ((Continuous Assessment, ESE= End Semester Examinat							er Internsl	hip; RP= Rese	earch Projec	et; VAC= Valı	ue Added Cou	ırse; '



SEC
1. Computer oriented Numerical Analysis
2. Programming in C language/ Fortran/Python/Scilab
3. Electrical Circuits and network skill
Basic Instrumentation skills.
5. Scientific writing and documentation.

				Course	~ ~ .			Course	Sem	CA Marks E			Marks	Total	
Discipline	Semester	Course Name		Туре	Course Code	Course Details	L - T - P	Credit	Credit	Practical	Theoretical	Practical	Theoretical	Marks	Sem M
		Physical Science((From Physics)			MDC101		3 - 0 - 0			`	15		35		
		E-Commerce(From BBA)			MDC102		3 - 0 - 0				15		35		
		Human Rights(From Political Science)			MDC103		3 - 0 - 0				15		35		
		Disaster Management (From Geography)			MDC104		3 - 0 - 0				15		35		
		Fitness And Wellness (From Physical Education)			MDC105		3 - 0 - 0				15		35		
		Application Of Bio-Science (From Zoology)			MDC106		3 - 0 - 0				15		35		
		Film Appreciation (From English)			MDC107		3 - 0 - 0				15		35		
		Accounting For All (From Commerce)			MDC108		3 - 0 - 0				15		35		
		History Of Ancient Bengal (From History)			MDC109		3 - 0 - 0				15		35		
		Bangla Sahitya O Sanskriti(From Bengali)	(Any One)		MDC110	MD-1	3 - 0 - 0	3			15		35	50	
		Money And Banking (From Economics)	-		MDC111		3 - 0 - 0				15		35		
		Patrakarita (From Hindi)			MDC112		3 - 0 - 0				15		35		
		Business Mathematics (Mathematics)			MDC113		3-0-0				15		35 35		
		Indian Society (From Sociology)			MDC114 MDC115	-	3 - 0 - 0 3 - 0 - 0				15 15				
		Yoga For Daily Life (Philosophy) Electronic Measurements (Electronics)			MDC115 MDC116		3-0-0				15		35 35		
		Electronic Measurements (Electronics)			MDC116		3-0-0				15		33		
		Information And Communication Technology From Computer Sc)			MDC117		3 - 0 - 0				15		35		
		Introduction To Local Flora (Dept Of Botany)			MDC118		3 - 0 - 0				15		35		
		Information And Media Literacy			MDC119		3 - 0 - 0				15		35		
		Mathematical Science (From Mathematics)			MDC201		3 - 0 - 0				15		35		
		Business Environment (From BBA)			MDC202		3 - 0 - 0				15		35		
		Basic Statistics (Statistics)			MDC203		3 - 0 - 0				15		35 35		
		Cultural History of Bengal (From History)			MDC204 MDC205		3-0-0 3-0-0				15 15		35		
MULTI DISCIPLINARY		Personal Finance (From Commerce)	(Any One)	MDC205		3-0-0		NA		15		35			
		Nutrition And Public Health (From Nutrition) Educational Philosophy (From Education)			MDC206 MDC207		3-0-0				15		35		
		Stress Management (From Psychology)			MDC207 MDC208		3-0-0				15		35		
	п	Social Media and Cyber Awareness (From Computer Science)			MDC209	MD-2	3 - 0 - 0	3			15		35	50	
		Adhunik Bangla Sahitya (From Bengali)			MDC210		3 - 0 - 0				15		35		
		Nazrul Sangeet (Nazrul Sangeet)			MDC211		3 - 0 - 0				15		35		
		E-Waste Management (Electronics)			MDC212		3 - 0 - 0				15		35		
		Chemical Science (Chemistry)			MDC213		3 - 0 - 0				15		35		
		Critical Survey of Sanskrit Language (Sanskrit)			MDC214		3 - 0 - 0				15		35		
		Asnaf- E -Adab (Dept of Urdu)			MDC215		3 - 0 - 0				15		35		
		Anuvad Vigyan (Deptt. Of Hindi)	l		MDC216		3 - 0 - 0				15		35		
		Herbal Home Remedies (Dept of Botany)			MDC217		3 - 0 - 0				15		35		
		Bharatavarsha—A Land of Rare Natural Endowments (From													
		Geography)			MDC301		3 - 0 - 0				15		35		
		The Vedangas and Other Streams of Indian Knowledge System													
		(From Sanskrit)			MDC302		3 - 0 - 0				15		35		
		Indian Astronomy (From Physics)			MDC303		3 - 0 - 0				15		35		
	ш	Indian Health Sciences (From Zoology)	(Any One)		MDC304	MD-3	3 - 0 - 0	3			15		35	50	
	111	Indian Mathematics (From Mathematics)	(Any One)		MDC305	MID-5	3 - 0 - 0	5			15		35	50	
		Indian Education (From Education)			MDC306		3 - 0 - 0				15		35		
		Indian Polity and Economy (From Political Sc)			MDC307		3 - 0 - 0				15		35		
		Methodology Of Indian Knowledge System (Philosophy)			MDC308		3 - 0 - 0				15		35		
															1

		Pool of Communic	ation Courses offer	red as Ability	Enhancement Course	s in the SEMESTER-I									
								Course	Sem	CA Marks		ESE Marks		Total	
Discipline	Semester	Course Name		Course Type	Course Code		L - T - P	Credit		Practical	Theoretical	Practical	Theoretical		Sem Marks
		English Communication	(Any One)	AE AECB10 AECH10	AECE101	AEC-1	4 - 0 - 0				15		35		
English/MIL Communication	T	Bengali Communication			AECB101		4 - 0 - 0	4	NA		15		35	50	NA
	-	Hindi Communication			AECH101		4 - 0 - 0	-			15		35		
		Urdu Communication			AECU101		4 - 0 - 0				15		35		
		P	ool of value Added	1 Courses on	fered in the SEMESTE	SK-IV				CA Marks		FSE	Marks		1
Discipline	Semester	Course Name		Course	Course Code	Course Details	L - T - P	Course	Sem		INIAI'KS			Total	Sem Mark
Discipline	Semester	Course manie	Туре	Course Coue	Course Details	L-1-1	Credit	Credit	Practical	Theoretical	Practical	Theoretical	Marks	Sem Marks	
		Yoga And Health (From Physiology)			VAC401	-	4 - 0 - 0	4		`	15		35	-	
		Social Values and Ethics (From Philosophy)			VAC402		4 - 0 - 0				15		35		
	IV	Digital And Technological Solutions (From Computer Science)			VAC403		4 - 0 - 0				15		35		
VALUE ADDED		Understanding India (From History)	(Any One)		VAC404	VAC-2	4 - 0 - 0		NA		15		35	50	NA
		Sustainable Development: Issues And Challenges (From Economics)			VAC405		4 - 0 - 0				15		35		
		Goods And Services Tax (From Commerce)]		VAC406		4 - 0 - 0				15		35		
		Basics of Indian Constitution (From Political Science)			VAC407		4 - 0 - 0				15		35		