

DEPARTMENT OF MATHEMATICS
U.G. COURSE PATTERN (2017- 2020)

Sem.	Part	Code	Subject Title	Hours	Credits	
I	I	17GT1GS01/ 17GH1GS01	Tamil – I/ Hindi	5	3	
	II	17GE1GSA1/ 17GE1GSB1	English - I	5	3	
	III		17MA1MC01	Algebra	6	4
			17MA1MC02	Calculus	5	4
			17PH1AC01	Allied Physics - Theory - I	3	3
			17PH1AP01	Allied Physics - Practical - I	2	1
	IV		17VE1GS01	Value Education	2	2
			17AE1SK01	SBE - I Communication Skills	2	2
Total				30	22	
II	I	17GT2GS02/ 17GH2GS02	Tamil-II/ Hindi	5	3	
	II	17GE2GSA2/ 17GE2GSB2	English - II	6	3	
	III		17MA2MC03	Analytical Geometry of 3-Dimensions & Trigonometry	6	4
			17MA2MC04	Differential Equations & Vector Calculus	6	4
			17PH2AC02	Allied Physics -Theory - II	3	3
			17PH2AP02	Allied Physics - Practical - II	2	1
	IV	17MA2SK02	SBE - II MATLAB	2	2	
	Total				30	20
III	I	17GT3GS03/ 17GH3GS03	Tamil-III/ Hindi	5	3	
	II	17GE3GSA3/ 17GE3GSB3	English - III	6	3	
	III		17MA3MC05	Fourier Series & Sequences	6	5
			17MA3MC06	Linear programming	4	3
			17MA3AC03	Core Allied - Statistics - I	5	4
	IV		17ES3GS01	Environmental Studies	2	2
			17AE3SK03	SBE - III - Office Automation	2	2
	Total				30	22
IV	I	17GT4GS04/ 17GH4GS04	Tamil-IV/ Hindi	5	4	
	II	17GE4GSA4/ 17GE4GSB4	English - IV	6	4	
	III		17MA4MC07	Mechanics	8	6
			17MA4AC04	Core Allied - Statistics - II	5	4
			17MA4CE1A/ 17MA4CE1B	Core Elective: Numerical Methods/ Fluid Dynamics	4	3
	IV	17MA4SK04	SBE - IV - Vocational Mathematics	2	2	
	Total				30	23

Sem.	Part	Code	Subject Title	Hours	Credits
V	III	17MA5MC08	Modern Algebra	6	5
		17MA5MC09	Modern Analysis	6	5
		17MA5MC10	Graph Theory	6	5
		17MA5MC11	Programming in C - Theory	4	4
		17MA5CP01	Programming in C - Lab	2	1
		17MA5CE2A/ 17MA5CE2B/ 17MA5CE2C/ 17MA5CE2D	Core Elective: Financial Mathematics/ Fuzzy sets and Fuzzy numbers/ Cryptography/ Transforms and Applications of Partial Differential Equations	4	3
	IV	17AE5NE01/ 17NC5NE01	NME - I Aptitude Building - I/ Organization and Health Programme in NCC	2	2
		Total	30	25	
VI	III	17MA6MC12	Linear Algebra	6	5
		17MA6MC13	Complex Analysis	6	5
		17MA6MC14	Operations Research	6	5
		17MA6MC15	Programming in C++ - Theory	4	4
		17MA6CP02	Programming in C++ - Lab	2	1
		17MA6CE3A/ 17MA6CE3B/ 17MA6CE3C/ 17MA6CE3D	Core Elective: Automata Theory & Formal Languages/Combinatorics / History of Modern Mathematics/ Application of Statistics in Horticulture	4	3
	IV	17AE6NE02/ 17NC6NE02	NME - II Aptitude Building - II/ National Integration and Personality Development	2	2
		17MA6SS01	Self Study Paper: Boolean Algebra	-	2*
		Total	30	25 + 2*	
I - IV	V	17NP4GS01	NSS, NCC, P. Ed.	-	1
IV - V	V	17EX5GS01	Extension	-	2
		Total	180	140 + 2*	

* Extra credit