Programme Structure of HMT: B.Sc. in Mathematics (Hons.)

SEM		CODE	Course Name	Theory/ Prac.	Credit	Study Hours	TE Full Marks	Assig. Full Marks	Total Marks	Pass Marks 30%	SLM Available In
1st Year	I	CC-MT-01	Algebra	Theory	6	180	50	20	70	21	ENG
		CC-MT-02	Analytical Geometry	Theory	6	180	50	20	70	21	ENG
		GE-01: # Refer Table below		Theory	6	180	50	20	70	21	
		AE-BG-11	* Bengali	Theory	2	60	50	20	70	21	BEN
		AE-EG-12	* English								ENG
	II	CC-MT-03	Calculus	Theory	6	180	50	20	70	21	ENG
		CC-MT-04	Real Analysis	Theory	6	180	50	20	70	21	ENG
		GE-02: # Refer Table below		Theory	6	180	50	20	70	21	
		AE-ES-21	Environmental Studies	Theory	2	60	50	20	70	21	BEN
2nd Year	III	CC-MT-05	Numerical Methods	Theory	6	180	50	20	70	21	ENG
		CC-MT-06	Computer Programming & Numerical Methods Lab	Practical	6	180	70	--	70	21	ENG
		CC-MT-07	Differential Equations	Theory	6	180	50	20	70	21	ENG
		GE-03: # Refer Table below		Theory	6	180	50	20	70	21	
		SE-MT-11	Logic and Sets	Theory	2	60	50	10	60	18	ENG
	IV	CC-MT-08	Theory of Real Functions and Functions of Several Variables	Theory	6	180	50	20	70	21	ENG
		CC-MT-09	Riemann Integration and Series of Functions	Theory	6	180	50	20	70	21	ENG
		CC-MT-10	Group Theory	Theory	6	180	50	20	70	21	ENG
		GE-04: # Refer Table below		Theory	6	180	50	20	70	21	
		SE-MT-21	Graph Theory	Theory	2	60	50	10	60	18	ENG
3rd Year	V	CC-MT-11	Multivariate Calculus and PDE	Theory	6	180	50	20	70	21	ENG
		CC-MT-12	Ring Theory and Linear Algebra	Theory	6	180	50	20	70	21	ENG
		DS-MT-11	Number Theory	Theory	6	180	50	20	70	21	ENG
		DS-MT-21	Probability and Statistics	Theory	6	180	50	20	70	21	ENG
	VI	CC-MT-13	Mechanics	Theory	6	180	50	20	70	21	ENG
		CC-MT-14	Metric Spaces and Complex Analysis	Theory	6	180	50	20	70	21	ENG
		DS-MT-31	Linear Programming	Theory	6	180	50	20	70	21	ENG
		DS-MT-41	Integral Transform	Theory	6	180	50	20	70	21	ENG
TOTAL					**140**				**1800**		

GE COMBINATION LIST:

Subject	SEM-I: GE-01	SLM Available In	SEM-II: GE-02	SLM Available In	SEM-III: GE-03	SLM Available In	SEM-IV: GE-04	SLM Available In
Physics	GE-PH-11: Mechanics	ENG	GE-PH-21: Thermal Physics	ENG	GE-PH-31: Waves and Optics	ENG	GE-PH-41: Elements of Modern Physics	ENG
Geography	GE-GR-11: Rural Development	ENG	GE-GR-21: Geography of Tourism	ENG	GE-GR-31: Climate Change: Vulnerability and Adaptations	ENG	GE-GR-41: Disaster Management	ENG
Chemistry	GE-CH-11: Basic Physical Chemistry	ENG	GE-CH-21: Basic Inorganic Chemistry	ENG	GE-CH-31: Basic Organic Chemistry	ENG	GE-CH-41: Application Oriented Chemistry	ENG
							¥ GE-CH-42: Approved MOOCs'	

* Learners have to choose any one from **AE-BG-11:** Bengali or **AE-EG-12:** English as Ability Enhancement Compulsory Course 1

\# Learners have to choose any one course from each individual GE group of Semester I, II, III and IV.

¥ Learners willing to choose MOOCs course as an option of study are advise to visit University official website for detailed instruction. In this regard, enrolled learners may communicate with Concerned School of Studies for guidance during their study of the programme.