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.