

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 Avail able In	
1 st 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	
2 nd 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	
	IV	SE-MT-11	Logic and Sets	Theory	2	60	50	10	60	18	ENG
		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		
3 rd 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 Availa ble In	SEM-II: GE-02	SLM Availa ble In	SEM-III: GE-03	SLM Availa ble 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 ¹	

* 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.