

Programme Structure of HCH: B.Sc. in Chemistry (Hons.)

SEM	CODE	Course Name	Theory/ Prac.	Credit	Study Hours	TE Full Marks	Assig. Full Marks	Total Marks	Pass Marks 30%	SLM Available In	
1 st Year	I	CC-CH-01	Practical Paper I	Practical	6	180	70	--	70	21	ENG
		CC-CH-02	Practical Paper II	Practical	6	180	70	--	70	21	ENG
		AE-BG-11	* Bengali	Theory	2	60	50	20	70	21	BEN
		AE-EG-12	* English								ENG
	GE-01: # Refer Table below				6	180	50	20	70	21	
	II	CC-CH-03	Inorganic Chemistry I	Theory	6	180	50	20	70	21	ENG
		CC-CH-04	Organic Chemistry I	Theory	6	180	50	20	70	21	ENG
		AE-ES-21	Environmental Studies	Theory	2	60	50	20	70	21	BEN
GE-02: # Refer Table below				6	180	50	20	70	21		
2 nd Year	III	CC-CH-05	Practical Paper III	Practical	6	180	70	--	70	21	ENG
		CC-CH-06	Practical Paper IV	Practical	6	180	70	--	70	21	ENG
		CC-CH-07	Inorganic Chemistry II	Theory	6	180	50	20	70	21	ENG
		GE-03: # Refer Table below				6	180	50	20	70	21
	IV	SE-CH-11	Intellectual Property Rights	Theory	2	60	50	10	60	18	ENG
		CC-CH-08	Organic Chemistry II	Theory	6	180	50	20	70	21	ENG
		CC-CH-09	Physical Chemistry I	Theory	6	180	50	20	70	21	ENG
		CC-CH-10	Physical Chemistry II	Theory	6	180	50	20	70	21	ENG
GE-04: # Refer Table below				6	180	50	20	70	21		
SE-CH-21	Pharmaceutical Chemistry	Theory	2	60	50	10	60	18	ENG		
3 rd Year	V	CC-CH-11	Practical Paper V	Practical	6	180	70	--	70	21	ENG
		CC-CH-12	Inorganic Chemistry III	Theory	6	180	50	20	70	21	ENG
		DS-CH-11	Polymer Chemistry	Theory	6	180	50	20	70	21	ENG
		DS-CH-21	Practical Paper VI	Practical	6	180	70	--	70	21	ENG
	VI	CC-CH-13	Organic Chemistry III	Theory	6	180	50	20	70	21	ENG
		CC-CH-14	Physical Chemistry III	Theory	6	180	50	20	70	21	ENG
		DS-CH-31	Analytical Chemistry & Green Chemistry	Theory	6	180	50	20	70	21	ENG
		DS-CH-41	Inorganic Materials of Industrial Importance and Green Chemistry	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
Mathematics	GE-MT-11: Statistical Techniques	ENG	GE-MT-21: Dynamical Systems	ENG	GE-MT-31: Applications of Algebra	ENG	GE-MT-41: Modelling and Simulation	ENG
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
Botany	GE-BT-11: Biodiversity	ENG	GE-BT-21: Plant Ecology and Taxonomy	ENG	GE-BT-31: Plant Anatomy and Embryology	ENG	GE-BT-41: Economic Botany and Plant Biotechnology	ENG

* 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 paper from each individual GE group of Semester I, II, III and IV.