B.Sc.(H) Physics papers under Choice Based Credit System (CBCS) :

Semester		Papers
Semester I	AECC-1	Environmental Science
	Core Paper -1	Mathematical Physics-I + Lab
	Core Paper- 2	Mechanics + Lab
	*Generic Elective-1	Chemistry Department : Atomic Structure, Bonding, General Org Chemistry & Aliphatic Hydrocarbons + Lab Mathematics Department : Calculus
Semester II	AECC-2	English / Hindi / Sanskrit Communications
	Core Paper-3	Electricity and Magnetism + Lab
	Core Paper-4	Waves and Optics + Lab
	*Generic Elective - 2	Chemistry Department : Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I + Lab Mathematics Department : Linear Algebra
Semester III	Core Paper 5	Mathematical Physics–II + Lab
	Core Paper 6	Thermal Physics + Lab
	Core Paper 7	Digital Systems and Applications + Lab
	SEC-1	Electrical circuits and Network Skills + Lab
	*Generic Elective - 3	Chemistry Department : Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II + Lab Mathematics Department : Differential Equations
Semester IV	Core Paper 8	Mathematical Physics III + Lab
	Core Paper 9	Elements of Modern Physics + Lab
	Core Paper 10	Analog Systems and Applications + Lab
	SEC-2	Basic Instrumentation Skills + Lab
	*Generic Elective – 4	Chemistry Department : Chemistry of s- and p-block elements, States of matter and Chemical Kinetics + Lab Mathematics Department : Numerical Methods
Semester V	Core Paper 11	Quantum Mechanics and Applications + Lab
	Core Paper 12	Solid State Physics + Lab
	DSE-1	Discipline Specific Elective-1:
	DSE-2	Discipline Specific Elective-2:
Semester VI	Core Paper 13	Electromagnetic Theory + Lab
	Core Paper 14	Statistical Mechanics + Lab
	DSE-3	Discipline Specific Elective -3:
	DSE-4	Discipline Specific Elective-4:

AECC- Ability Enhancement Compulsory Course, **GE-** Generic Elective (Interdisciplinary) , **DSE-** Discipline Specific Elective, **SEC-** Skill Enhancement Course

* - Student may opt only one paper as **Generic Elective** papers out of two options.