

# PHYSICS DEPARTMENT :-

*Bachelor of Science with Physics*

CHOICE BASED CREDIT SYSTEM (CBCS)



## SYLLABUS AND SCHEME OF EXAMINATION FOR BACHELOR OF SCIENCE WITH PHYSICS

B.Sc.1<sup>st</sup> year-

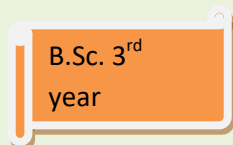


Year	Course type	Course Code	Title of paper
B.Sc. 1 <sup>st</sup> year	Core course	PHYS101TH	Mechanics Theory
		PHYS101PR	Mechanics Lab
		PHYS102TH	Electricity, Magnetism and EMT Theory
		PHYS102PR	Electricity, Magnetism and EMT Lab.

B.Sc.2<sup>nd</sup> year

Year	Course type	Course Code	Title of the paper
B.Sc.2 <sup>nd</sup> year	Core course	PHYS201TH	Statistical and Thermal Physics Theory
		PHYS201PR	Statistical and Thermal Physics Practical
		PHYS202TH	Waves and Optics Theory
		PHYS202PR	Waves and Optics Practical
Skill Enhancement courses.	SEC any one from PHYS203 and PHYS204	PHYS203TH PHY203IA	Physics Work Skill Theory and Exam
		PHYS204TH	Computational Physics Theory and Lab.
	Any one from PHYS205 and PHYS206	PHYS205TH	Electrical Circuits and Network Skills Theory
		PHYS206TH	Basic Instrumentation Skills Lab.

B.Sc. 3<sup>rd</sup> year -



Year	Course type	Course code Title of the paper
B.Sc. 3 <sup>rd</sup> year Discipline specific elective Choose any ONE from 1 to 3	1.	PHYS301TH Elements of Modern Physics Theory PHYS301PR Elements of Modern Physics Lab.
	2.	PHYS302TH Solid State Physics and Electronics Theory PHYS302PR Solid State Physics and Electronics Practical.
	3.	PHYS303TH Astronomy and Astrophysics PHYS303TU Astronomy and Astrophysics Tutorial
Discipline specific elective - Choose any one from 4 to 6	4.	PHYS304TH Nuclear and Particle Physics Theory.
	5.	PHYS305TH QUANTUM MECHANICS Theory PHYS305PR QUANTUM MECHANICS Lab.
	6.	PHYS306TH Physics of Devices and Instruments Theory PHYS306PR Physics of Devices and Instruments Practical
Skill Enhancement Courses - CHOOSE ANY ONE FROM GIVEN TWO	Skill enhancement courses	1.PHYS307TH PHYS307IA RADIATION SAFETY Theory PHYS307SE RADIATION SAFETY Skill Exam 2. PHYS308TH PHYS308IA APPLIED OPTICS Theory PHYS308SE APPLIED OPTICS Skill Exam
CHOOSE ANY ONE FROM GIVEN TWO	Skill enhancement courses	1.PHYS309TH PHYS309IA WEATHER FORECASTING Theory PHYS309SE WEATHER FORECASTING Skill Exam 2. PHYS310TH PHYS310IA RENEWABLE ENERGY AND ENERGY HARVESTING Theory PHYS310SE RENEWABLE ENERGY AND ENERGY HARVESTING Skill Exam

# ADD ON COURSES

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1. Repair and Maintenances of Home Appliances.

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2. Basic Science and Reasoning for competitive examinations.

PHYSICS Department

GOVERNMENT COLLEGE CHAMBA

DISTRICT –CHAMBA (H.P.)

PIN - 176314