



Bharatiya Vidya
Bhavan

BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE,
SAINIKPURI, SECUNDERABAD.

Autonomous College

Affiliated to OSMANIA UNIVERSITY, Hyderabad.

(Accredited with 'A' grade by NAAC)

Faculty of Science

B.Sc. Physics

Course Structure

Classes: B Sc I Year, II Year and III Year

Year	Semester	Paper Code	Paper	Hours per week	Internal Marks	Semester End Exam Marks	Total Marks	Credits
I	I	PH 123	Mechanics - Theory	4	30	70	100	4
		PH 123P	Mechanics - Practicals	2	15	35	50	1
	II	PH 223	Waves and Oscillations-Theory	4	30	70	100	4
		PH 223P	Waves and Oscillations – Practicals	2	15	35	50	1
II	III	PH 323	Thermodynamics- Theory	4	30	70	100	4
		PH 323P	Thermodynamics-Practicals	2	15	35	50	1
	IV	PH 423	Optics -Theory	4	30	70	100	4
		PH 423P	Optics - Practicals	2	15	35	50	1
III	V*	PH 523	Electricity and Magnetism - Theory	3	30	70	100	3
		PH 523P	Electricity and Magnetism - Practicals	2	15	35	50	1
		PH 523A	Solid State Physics and spectroscopy -Theory	3	30	70	100	3
		PH 523A P	Solid State Physics and spectroscopy -Practicals	2	15	35	50	1
		PH 523B	Material Science -Theory	3	30	70	100	3
		PH 523BP	Material Science -Practicals	2	15	35	50	1
	VI*	PH 623	Modern Physics -Theory	3	30	70	100	3
		PH 623P	Modern Physics -Practicals	2	15	35	50	1
		PH 623A	Electronics -Theory	3	30	70	100	3
		PH 623A P	Electronics -Practicals	2	15	35	50	1
		PH 623B	Particle and Astrophysics – Theory	3	30	70	100	3
		PH 623B P	Particle and Astrophysics - Practical	2	15	35	50	1

*Note : Students have to select any one elective paper each in semester V and semester VI

Boonli

J&J
CHAIRMAN
Board of Studies in Physics
Osmania University, Hyd.