



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 Assessment	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	Optics- Theory	4	30	70	100	4
		PH 323P	Optics - Practicals	2	15	35	50	1
	IV	PH 423	Thermodynamics- Theory	4	30	70	100	4
		PH 423P	Thermodynamics - 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

*Boonil*  
21/3/2016

*[Signature]*  
CHAIRMAN  
Board of Studies in Physics  
Osmania University, Hyd