

Department of Physics & Electronics

St. Ann's College for Women

(Autonomous), Affiliated to Osmania University

Accredited 'A+' Grade by NAAC (3rd Cycle), CPE by UGC

Mehdipatnam, Hyderabad -500 028



Structure of Curriculum - Physics

S No	Paper	Semester	Title (Theory and Practical)	Instructions Hrs/week	Marks	Course Credits
1	DSCI	I	Mechanics & Oscillations	4	70	4
		I	Mechanics & Oscillations	3	35	1
2	DSC II	II	Thermal Physics	4	70	4
		II	Thermal Physics Lab	3	35	1
3	DSC III	III	Waves and Optics	4	70	4
		III	Waves and Optics Lab	3	35	1
4	DSC IV	IV	Electromagnetic Theory	4	70	4
		IV	Electromagnetic Theory Lab	3	35	1
5	DSE I	V(A)	Modern Physics	4	70	4
		V(A)	Modern Physics Lab	3	35	1
		V(B)	Introduction to Nanoscience	4	70	4
		V(B)	Nanomaterials Laboratory	3	35	1
6	DSE II	VI (A)	Electronics	4	70	4
		VI(A)	Electronics Lab	3	35	1
		VI(B)	Applied Optics	4	70	4
		VI(B)	Applied Optics Lab	3	35	1
7	AECC 1	I	Environmental Sciences	2	35	2
8	AECC 2	II	Gender Studies	2	35	2
9	SEC 1	III	Communication Skills	2	35	2
10	SEC 2	III(A)	Medical Physics	2	35	2
		III(B)	Experimental Methods and Error Analysis	2	35	2
11	SEC 3	IV	Leadership & Management Skills/ Human Values	2	35	2
12	SEC 4	IV(A)	Electronic Communication and Networking	2	35	2
		IV(B)	Radiation Oncology Physics	2	35	2
13	GE	V	Water Resources Management	4	35	4

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14	Project/Optional	VI	Computational Physics/Project			4
15	AECC 3 * Extra	VI	Capacity building			
Total number of credits						50