M.Sc. Physics (2008 – 2009)

S. No	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks For pass			Hours Week	Credits
					CIA	E.E	Total	CIA	E.E	Total		
1	I	Core	8P1PHC1	Classical Mechanics	25	75	100	10	30	50	7	6
2		Core	8P1PHC2	Mathematical Physics	25	75	100	10	30	50	8	5
3		Core	8PIPHCP1	Practical – I	40	60	100	16	24	50	9	5
4		Elective	8P1PHE1A 8P1PHE1B	Statistical Mechanics Nano Science	25	75	100	10	30	50	6	5
5	II	Core	8P2PHC3	Electromagnetic Theory	25	75	100	10	30	50	6	5
6		Core	8P2PHC4	Quantum Mechanics	25	75	100	10	30	50	6	5
7		Core	8P2PHC5	Communication Electronics	25	75	100	10	30	50	6	4
8		Core	8P2PHCP2	Practical - II	40	60	100	16	24	50	6	4
9		Elective	8P2PHE2A 8P2PHE2B	Numerical Mathematics Applied in Physics Biomedical Instrumentation	25	75	100	10	30		6	5
10	III	Core-8	8P3PHC6	Solid State Physics	25	75	100	10	30	50	7	5
11		Core-9	8P3PHC7	Advanced Instrumentation Physics	25	75	100	10	30	50	6	5
12		Core-10	8P3PHC8	Advanced processcors, Micro controller Architecture and Applications	25	75	100	10	30	50	7	5
13		Core11	8P3PHCP3	Practical –III	40	60	100	16	24	50	6	5
14		EDC	8P3__EDC	Extra Disciplinary Course	25	75	100	10	30	50	4	4
15	IV	Core	8P4PHC9	Spectroscopy	25	75	100	10	30	50	7	6
16		Core	8P4PHC10	Nuclear Physics	25	75	100	10	30	50	8	6
17		Core	8P4PHCP4	Practical – IV	40	60	100	16	24	50	9	5
18		Elective	8P4PHE3A 8P4PHE3B	Programming in C++ Radiation Physics	25	75	100	10	30	50	6	5
19			8P4PHPR	Project								**5**
20		Extra Credit Course										

M.Sc. Physics (2008 - 2009)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Hours
Core	14	1400	70	96
Elective	3	300	16	20
E.D.C	1	100	4	4
	18	**1800**	**90**	**120**

M.Sc. PHYSICS (2017- 2018)

S. No	SEM	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks For Pass			Hours Week	Credits
					CIA	E.E	Total	CIA	E.E	Total		
1	I	Core	17P1PHC1	Classical Dynamics	25	75	100	10	30	50	6	5
2		Core	17P1PHC2	Mathematical Physics – I	25	75	100	10	30	50	6	4
3		Core	17P1PHC3	Statistical Mechanics	25	75	100	10	30	50	6	4
4		Core	17PIPHCP1	Major Practical – I	40	60	100	16	24	50	6	4
5		Major Elective	17P1PHEL1A 17P1PHEL1B	Nanophysics Laser and Fiber Optic Communication	25	75	100	10	30	50	6	4
6	II	Core	17P2PHC4	Electromagnetic Theory	25	75	100	10	30	50	5	5
7		Core	17P2PHC5	Mathematical Physics-II	25	75	100	10	30	50	5	4
8		Core	17P2PHC6	Electronics and Instrumentation	25	75	100	10	30	50	5	4
9		Core	17P2PHC7	Numerical Methods in Physics	25	75	100	10	30	50	5	4
10		Core	17P2PHCP2	Major Practical – II	40	60	100	16	24	50	6	4
11		Major Elective	17P2PHEL2A 17P2PHEL2B	Crystal growth & Thin Films Medical Physics	25	75	100	10	30	50	4	4
12	III	Core	17P3PHC8	Solid State Physics	25	75	100	10	30	50	5	4
13		Core	17P3PHC9	Quantum Mechanics	25	75	100	10	30	50	5	5
14		Core	17P3PHC10	Microcontroller- Programming and Applications	25	75	100	10	30	50	5	4
15		Core	17P3PHC11	Biomedical Instrumentation	25	75	100	10	30	50	4	4
16		Core	17P3PHCP3	Major Practical – III	40	60	100	16	24	50	6	4
17		EDC	17P3PHEDC	Extra Disciplinary Course	25	75	100	10	30	50	4	
			Communicative Skill and Personality development		-	-	-	-	-	-	1	-
18	IV	Core	17P4PHC12	Atomic and Molecular Spectroscopy	25	75	100	10	30	50	6	4
19		Core	17P4PHC13	Nuclear Physics	25	75	100	10	30	50	6	5
20		Core	17P4PHCP4	Major Practical – IV	40	60	100	16	24	50	6	4
21		Major Elective	17P4PHEL3A 17P4PHEL3B	Advanced Optics Radiation Physics	25	75	100	10	30	50	6	4
22		CN	17P4PHCN	Comprehension	-	100	100	-	50	50	5	2
23		PR	17P4PHPR	Project	40	60	100	16	24	50	-	4
			Communicative Skill and Personality Development		-	-	-	-	-		1	-
				Total			**2300**				**120**	**90**

M.Sc., PHYSICS (2017 – 2018)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Classification
Core	17	1700	72	✓
Elective	3	300	12	✓
E.D.C	1	100	---	✓
Project	1	100	4	x
Comprehension	1	100	2	✓
Soft skill using Language lab	--	--	---	X
Total	**23**	**2300**	**90**	