

B.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	Part – I	8U1TI/H1	Tamil-I/Hindi-I	25	75	100	10	30	40	6	3
2		Part – II	8U1EI	English - I	25	75	100	10	30	40	6	3
3		Core	8UIPHC1	Properties of Matter and Sound	25	75	100	10	30	40	4	3
4		Core	8U2PHCP1	Major Practical I (NS)							2	---
5		Allied	8U1PHMAA1	Allied Mathematics- I	25	75	100	10	30	40	5	3
6		Allied	8U2PHMAA2	Allied Mathematics- II (NS)							3	--
7		Value Based Education	8U1PHVE	Value Based Education		100	100		40	40	2	2
8		Skill Based Elective	8U1__S1	Skill Based Elective - I	25	75	100	10	30	40	2	2
9	II	Part – I	8U2T2/H2	Tamil – I/Hindi – II	25	75	100	10	30	40	6	3
10		Part – II	8U2E2	English – II	25	75	100	10	30	40	6	3
11		Core	8U2PHC2	Mechanics and Special Theory of Relativity	25	75	100	16	30	40	4	3
12		Core	8U2PHCP1	Major Practical-I:	40	60	100	16	24	40	2	3
13		Allied	8U2PHMAA2	Allied Mathematics II	25	75	100	10	30	40	3	4
14		Allied	8U2PHMAA3	Allied Mathematics-III	25	75	100	10	30	40	5	3
15		Skill Elective	8U2__S2	Skill Based Elective – II	25	75	100	10	30	40	2	2
16		ES	8U2PHES	Environmental studies		100	100		40	40	2	2
17	III	Part – I	8U3T3/H3	Tamil – III/Hindi – III	25	75	100	10	30	40	6	3
18		Part – II	8U3E3	English – III	25	75	100	10	30	40	6	3
19		Core	8U3PHC3	Heat, Thermodynamics and Statistical Mechanics	25	75	100	10	30	40	4	4
20		Core	8U3PHC4	Electricity and Electromagnetism	25	75	100	10	30	40	4	4
21		Allied	8U3PHCHA1	Allied Chemistry- I	25	75	100	10	30	40	5	4
22		Allied	8U4PHCHAPL	Allied Chemistry Practical (NS)							3	--
23		Skill Based Elective	8U3__S3	Skill Based Elective - III	25	75	100	10	30	40	2	2

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		
24	IV	Part – I	8U4T4/H4	Tamil –IV /Hindi - IV	25	75	100	10	30	40	6	3
25		Part – II	8U4E4	English - IV	25	75	100	10	30	40	6	3
26		Core	8U4PHC5	Optics	25	75	100	10	30	40	4	4
27		Core	8U4PHCP2	Major Practical - II	40	60	100	16	24	40	4	4
28		Allied	8U4PHCHA2	Allied Chemistry- II	25	75	100	10	30	40	5	4
29		Allied	8U4PHCHAPL	Allied Chemistry Practical (NS)	40	60	100	16	24	40	3	2
30		Skill Based Elective	8U4__S4	Skill Based Elective – IV	25	75	100	10	30	40	2	2
31	V	Core	8U5PHC6	Atomic Physics and wave Mechanics	25	75	100	10	30	40	6	5
32		Core	8U5PHC7	Basic Electronics	25	75	100	10	30	40	6	6
33		Core	8U5PHCP3	Major Practical III	40	60	100	16	24	40	6	6
34		Major Elective	8U5PHEL1A 8U5PHEL1B	Material science Information technology	25	75	100	10	30	40	4	3
35		Major Elective	8U5PHEL2A 8U5PHEL2B	Digital Electronics Biomedical Instrumentation	25	75	100	10	30	40	4	4
36		Non Major Elective	8U5__NME1	Non - Major Elective - I	25	75	100	16	30	40	2	2
37		Skill Based Elective	8U5__S5	Skill Based Elective - V	25	75	100	10	30	40	2	2
38	VI	Core	8U6PHC8	Nuclear and Particle Physics	25	75	100	10	30	40	6	6
39		Core	8U6PHC9	Communication Electronics	25	75	100	10	30	40	6	6
40		Core	8U6PHCP4	Major Practical - IV	40	60	100	16	24	40	6	6
41		Major Elective	8U6PHEL3A 8U6PHEL3B	Programming In C Radiation Physics	25	75	100	10	30	40	4	4
42		Major Elective	8U6PHEL4A 8U6PHEL4B	Microprocessor & Applications Nano Science	25	75	100	10	30	40	4	4
43		Non Major Elective	8U6__NME2	Non - Major Elective - II	25	75	100	10	30	40	2	2
44		Skill Based Elective	8U6__S6	Skill Based Elective – VI	25	75	100	10	30	40	2	2
45		Extension Activities	8U6PHEA		-	-	-	-	-	-	-	1

B.Sc. PHYSICS (2008 - 2009)

Part	Total No. Of Papers	Total Marks	Total Credits	Classification
Part - I	04	400	12	√
Part - II	04	400	12	√
Part - III Core Allied Major Elective	02 06 04 23	1300 600 400 2300	60 20 15 95	√
Part - IV Value Education Skill Elective Non Major Elective	02 06 02 10	200 600 200 1000	04 12 04 20	√
Part - V	Extension Activity		01	x
Total	41	4100	140	√

B.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	Part-I	17U1PHT1/H1	Tamil-I/ Hindi-I	25	75	100	10	30	40	6	3
2		Part – II	17U1PHE1	English-I	25	75	100	10	30	40	6	3
3		Core	17U1PHC1	Properties of Matter and Sound	25	75	100	10	30	40	7	5
4		Core	17U1PHCP1	Major Practical -I	40	60	100	16	24	40	3	4
5		Allied	17U1PHMAA1	Allied Mathematics-I	25	75	100	10	30	40	5	3
		Allied	17U2PHMAA2	Allied Mathematics-II (NS)	-	-	-	-	-	-	3	-
6		ES	17U1PHES	Environmental studies	-	100	100	-	40	40	-	1
7	II	Part-I	17U2PHT2/H2	Tamil-II/Hindi -II	25	75	100	10	30	40	6	3
8		Part - II	17U2PHE2	English – II	25	75	100	10	30	40	6	3
9		Core	17U2PHC2	Mechanics and Special theory of Relativity	25	75	100	10	30	40	5	4
10		Core	17U2PHC3	Electricity & Electromagnetism	25	75	100	10	30	40	4	4
11		Allied	17U2PHMAA2	Allied Mathematics – II	25	75	100	10	30	40	3	4
12		Allied	17U2PHMAA3	Allied Mathematics – III	25	75	100	10	30	40	5	3
13		SBE	17U2PHS1	Skill Based Elective – I	25	75	100	10	30	40	1	1
14		VBE	17U2PHVE	Value Based Education	25	75	100	10	30	40	-	-
15	III	Part-I	17U3PHT3/H3	Tamil-III/ Hindi-III	25	75	100	10	30	40	6	3
16		Part – II	17U3PHE3	English-III	25	75	100	10	30	40	6	3
17		Core	17U3PHC4	Heat and Thermodynamics	25	75	100	10	30	40	5	5
18		Core	17U3PHC5	Laser Physics	25	75	100	10	30	40	5	4
19		Allied	17U3PHCHA1	Allied Chemistry-I	25	75	100	10	30	40	5	4
		Allied	17U4PHCHAP1	Allied Chemistry Practical (NS)	-	-	-	-	-	-	3	-
20		GS	17U3PHGS	Gender Studies	-	100	100	-	40	40	-	-

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		
21	IV	Part-I	17U4PHT4/H4	Tamil-IV/ Hindi – IV	25	75	100	10	30	40	6	3
22		Part – II	17U4PHE4	English – IV	25	75	100	10	30	40	6	3
23		Core	17U4PHC6	Optics	25	75	100	10	30	40	6	5
24		Core	17U4PHCP2	Major Practical-II	40	60	100	16	24	40	3	4
25		Allied	17U4PHCHA2	Allied Chemistry-II	25	75	100	10	30	40	5	4
26		Allied	17U4PHCHAP1	Allied Chemistry Practical (NS)	40	60	100	16	24	40	3	2
27		SBE	17U4PHS2	Skill Based Elective-II	25	75	100	10	30	40	1	1
28	V	Core	17U5PHC7	Atomic Physics and Wave Mechanics	25	75	100	10	30	40	5	6
29		Core	17U5PHC8	Basic Electronics	25	75	100	10	30	40	4	5
30		Core	17U5PHC9	Material Science	25	75	100	10	30	40	4	4
31		Core	17U5PHCP3	Major Practical – III	40	60	100	16	24	40	6	6
32		Major Elective-I	17U5PHEL1A 17U5PHEL1B	Energy Physics/ Information Technology	25	75	100	10	30	40	4	3
33		Major Elective-II	17U5PHEL2A 17U5PHEL2B	Digital Electronics/ Bio Physics	25	75	100	10	30	40	4	4
34		NME	17U5PHNME	Non-Major Elective	25	75	100	10	30	40	2	1
35		SSD	17U5PHSSD	Soft Skill Development	25	75	100	10	30	40	1	
36	VI	Core	17U6PHC10	Nuclear Physics	25	75	100	10	30	40	5	5
37		Core	17U6PHC11	Communication Electronics	25	75	100	10	30	40	5	5
38		Core	17U6PHC12	Linear Integrated Circuits	25	75	100	10	30	40	4	4
39		Core	17U6PHCP4	Major Practical-IV	40	60	100	16	24	40	6	6
40		Major Elective-II	17U6PHEL3A 17U6PHEL3B	Programming in C / History of Physics	25	75	100	10	30	40	4	3
41		Major Elective-IV	17U6PHEL4A 17U6PHEL4B	8085 Microprocessor & Applications / Nanoscience	25	75	100	10	30	40	4	4
42		GK	17U6PHGK	General knowledge	-	100	100	-	40	40	1	-
43		CN	17U6PHCN	Comprehensive Test	-	100	100	-	40	40	1	1
				Extension Activities	-	-	-	-	-	-	-	1
				Total	4300						180	140

B.Sc., PHYSICS (2017 - 2018)

Paper Code	Total No. Of Papers	Total Marks	Total Credits	Classification
Part - I	04	400	12	√
Part – II	04	400	12	√
Part – III Core Allied Major Elective	16 06 04 26	1600 600 400 2600	76 20 14 110	√
Part – IV Environmental Studies Value based education Skill Based Elective Gender studies Non Major Elective Soft skill development G.K Comprehensive Test	1 1 2 1 1 1 1 1 9	100 100 200 100 100 100 100 100 900	1 -- 2 -- 1 -- -- 1 05	√
Part – V	Extension Activity		1	X
Total	43	4300	140	√