

Vellalar College for Women (Autonomous), Erode - 12.									
Bachelor of Science in Physics									
2018 - 2019 Onwards									
Course Content and Scheme of Examinations (CBCS & OBE Pattern)									
Semester I									
Part	Study Component	Subject Code	Title of the Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits
						CIA	ESE	Total	
I	Language I	18TAMU101/ 18HINU101	Tamil/Hindi	6	3	25	75	100	3
II	Language II	18ENLU101	English	6	3	25	75	100	3
III	Core	18PHUC101	Mechanics, Properties of Matter and Acoustics	3	3	25	75	100	3
		18PHUC102	Heat, Thermodynamics and Statistical Mechanics	3	3	25	75	100	3
		18PHUCP01	Core Practical I	3	-	-	-	-	-
	Allied I	18CHUA101	Allied Chemistry Paper I	4	3	20	55	75	4
		18CHUAP01	Allied Chemistry Practical	3	-	-	-	-	-
IV	Foundation Course - A	18FOCU1ES	Environmental Studies	2	3	-	100	100	2
									18
Semester II									
I	Language I	18TAMU202/ 18HINU202	Tamil/Hindi	6	3	25	75	100	3
II	Language II	18ENLU202	English	6	3	25	75	100	3
III	Core	18PHUC203	Electricity and Magnetism	3	3	25	75	100	3
		18PHUC204	Nuclear and Particle Physics	3	3	25	75	100	3
		18PHUCP01	Core Practical I	3	3	40	60	100	3
	Allied I	18CHUA202	Allied Chemistry Paper II	4	3	20	55	75	4
		18CHUAP01	Allied Chemistry Practical	3	3	20	30	50	2
IV	Foundation Course - B	18VEDU2HR	Value Education and Human Rights	2	3	-	100	100	2
									23

Semester V										
Part	Study Component	Subject code	Title of Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits	
						CIA	ESE	Total		
III	Core	16PHUC507	Mathematical Physics	5	3	25	75	100	5	
		09PHUC508	Atomic and Solid State Physics	5	3	25	75	100	5	
		09PHUC509	Electronic Circuits and Devices	6	3	25	75	100	6	
		15PHUCP03	Core Practical III	3	3	-	-	-	-	
		15PHUCP04	Core Practical IV	2	3	-	-	-	-	
	Elective I	15PHUE501	Programming in C and C++	4	3	25	75	100	4	
		15PHUEP01	Elective Practical	2	3	-	-	-	-	
IV	Skill Based Subject III			3	3	25	75	100	3	
									23	
Semester VI										
III	Core	16PHUC610	Classical Mechanics and Relativity	6	3	25	75	100	6	
		16PHUC611	Quantum Mechanics	6	3	25	75	100	6	
		15PHUCP03	Core Practical III	3	3	40	60	100	3	
		15PHUCP04	Core Practical IV	2	3	40	60	100	3	
	Elective I	15PHUEP01	Elective Practical	2	3	40	60	100	3	
	Elective II	16PHUE602	Microprocessor	4	3	25	75	100	4	
	Elective III	16PHUE603	Communication Electronics	4	3	25	75	100	4	
IV	Skill Based Subject IV			3	3	25	75	100	3	
V	Extension Activity		-	-	-	-	-	100	1	
									33	
Total (I - VI Semesters)									4000	140