

BHARATHIAR UNIVERSITY: : COIMBATORE 641 046**B. Sc. PHYSICS Curriculum (Affiliated Colleges)***(For the students admitted during the academic year 2020 – 21 onwards)*

Part	Course Code	Title of the Course	Credits	Hours/week		Maximum Marks		
				Theory	Practical	CIA	ESE	Total
	FIRST SEMESTER							
I	11T	Language-I	4	6	-	25	75	100
II	12E	English-I	4	6	-	25	75	100
III	13A	Core I – Mechanics, Properties of Matter and Sound	4	6	-	25	75	100
III		Core Practical I	-	-	3	-	-	-
III	1AA	Allied A – Mathematical Paper I *	4	7	-	25	75	100
		(or)	3	4	-	20	55	75
	1AH	Chemistry Theory I **						
III	-	Allied Practical**	-	-	2	-	-	-
IV	1FA	Environmental Studies #	2	2	-	-	50	50
		Total	18					450
	SECOND SEMESTER							
I	21T	Language-II	4	6	-	25	75	100
II	22E	English-II	4	6	-	25	75	100
III	23A	Core II – Heat and Thermodynamics	4	6	-	25	75	100
III	23P	Core Practical I	4	-	3	40	60	100
III	2AA	Allied A - Mathematical Paper II *	4	7	-	25	75	100
		(or)						
III	2AH	Chemistry Theory II **	3	4	-	20	55	75
III	2PH	Allied Practical**	2	-	2	20	30	50
IV	2FB	Value Education - Human Rights #	2	2	-	-	50	50
		Total	22					550
	THIRD SEMESTER							
I	31T	Language-III	4	6	-	25	75	100
II	32E	English-III	4	6	-	25	75	100
III	33A	Core III – Optics	4	5	-	25	75	100
III	-	Core Practical II	-	-	2	-	-	-
III	3AA	Allied B - Mathematical Paper I * (or)	4	7	-	25	75	100
III	3AH	Chemistry Theory I **	3	4	-	20	55	75
III	-	Allied Practical**	-	-	2	-	-	-
IV	3ZA	Skill Based Subject – Instrumentation I	3	3	-	20	55	75
IV	3FC	Tamil @ / Advanced Tamil# (OR) Non-major elective - I	2	2	-	-	50	50

		(Yoga for Human Excellence)# / Women's Rights #						
		Total	20					500
		FOURTH SEMESTER						
I	41T	Language-IV	4	6	-	25	75	100
II	42E	English-IV	4	6	-	25	75	100
III	43A	Core IV – Atomic Physics and Spectroscopy	4	5	-	25	75	100
III	43P	Core Practical II	4	-	2	40	60	100
III	4AA	Allied A - Mathematical Paper II * (or)	4	7	-	25	75	100
III	4AH	Chemistry Theory II **	3	4	-	20	55	75
III	4PH	Allied Practical**	2	-	2	20	30	50
IV	4ZB	Skill based Subject - Instrumentation II	3	3	-	20	55	75
IV	4FE	Tamil @ /Advanced Tamil # (OR) Non-major elective -II (General Awareness #)	2	2	-	-	50	50
		Total	26					650
		FIFTH SEMESTER						
III	53A	Core V – Mathematical Physics	4	4	-	25	75	100
III	53B	Core VI – Electronics	4	4	-	25	75	100
III	53C	Core VII – Solid State Physics	4	4	-	25	75	100
III	53D	Core VIII – Electricity and Magnetism	4	4	-	25	75	100
III	-	Core Practical III - Electronics	-	-	2	-	-	-
III	-	Core Practical IV - Digital and Micro Processor	-	-	2	-	-	-
III	5EA	Elective –I	4	4	-	25	75	100
III	-	Practical V- C and C++	-	-	3	-	-	-
IV	5ZC	Skill based Subject - Instrumentation III	3	3	-	20	55	75
		Total	23					575
		SIXTH SEMESTER						
III	63A	Core IX – Quantum Mechanics and Relativity	4	6	-	25	75	100
III	63B	Core X - Nuclear Physics	4	6	-	25	75	100
III	63P	Core Practical III - Electronics	3	-	2	30	45	75
III	63Q	Core Practical IV - Digital and Micro	3	-	2	30	45	75

		Processor						
III	6EA	Elective –II	4	4	-	25	75	100
III	6EB	Elective –III	4	4	-	25	75	100
III	63R	Practical V - C and C++	4	-	3	40	60	100
IV	6ZP	Skill based Subject Practical – Instrumentation	3	-	3	30	45	75
V	67A	Extension Activities @	2	-	-	-	-	50
		Total	31					775
		Grand Total	140					3500

*For subjects without practical

** For subjects with practical

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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