

BHARATHIAR UNIVERSITY, COIMBATORE-641 046

B.Sc. PHYSICS WITH COMPUTER APPLICATIONS & COMPULSORY DIPLOMA IN INSTRUMENTATION

SCHEME OF EXAMINATIONS (CBCS PATTERN)

(For the students admitted during the academic year 2008-2009 and onwards)

Part	Study Components	Course Title	Ins. hrs / week	Exam				Credit
				Dur.Hrs.	CIA	Marks	Total Marks	
	Semester I							
I	Language-I		6	3	25	75	100	3
II	English-I		6	3	25	75	100	3
III	Core I – Heat and Thermodynamics		3	3	25	75	100	4
III	Core II – Mechanics, Properties of Matter and Acoustics		3	3	25	75	100	4
III	Major Practical I		3	-	-	-	-	-
III	Allied A - Mathematical Paper I		7	3	25	75	100	5
IV	Environmental Studies		2	3	-	50	50	2
	Semester II							
I	Language-II		6	3	25	75	100	3
II	English-II		6	3	25	75	100	3
III	Core III – Electricity and Magnetism		6	3	25	75	100	4
III	Major Practical I		3	3	40	60	100	3
III	Allied A - Mathematical Paper II		7	3	25	75	100	5
IV	Value Education - Human Rights		2	3	-	50	50	2
	Semester III							
I	Language-III		6	3	25	75	100	3
II	English-III		6	3	25	75	100	3
III	Core IV – Optics		4	3	25	75	100	4
III	Major Practical II		2	-	-	-	-	-
III	Allied - Computer Network		7	3	25	75	100	5
IV	Skill Based Subject 1 (Diploma) Instrumentation I		3	3	25	75	100	3
IV	Tamil/Advanced Tamil (Or) Non-Major Elective - I (Communicative English)		2	3	-	75	75	2

Semester IV							
I	Language-IV	6	3	25	75	100	3
II	English-IV	6	3	25	75	100	3
III	Core V – Atomic Physics and Spectroscopy	4	3	25	75	100	4
III	Major Practical II	2	3	40	60	100	3
III	Allied - Internet and Web Design	7	3	25	75	100	5
IV	Skill based Subject 2 (Diploma) Instrumentation II	3	3	25	75	100	3
IV	Tamil/Advanced Tamil (OR) Non-major elective -II (General Awareness)	2	3	-	75	75	2
Semester V							
III	Core VI – Mathematical Physics	5	3	25	75	100	4
III	Core VII – Applied Electronics	5	3	25	75	100	4
III	Core VIII – Solid State Physics	4	3	25	75	100	4
III	Core IX – Principles of Digital Electronics	3	3	25	75	100	5
III	Major Practical III - Electronics Alone	2	-	-	-	-	-
III	Major Practical IV - Digital and Micro Processor	2	-	-	-	-	-
III	Elective –I Principles of Programming Concepts and C Programming	4	3	25	75	100	5
	Practical - C and C++	2	-	-	-	-	-
IV	Skill based Subject 3 (Diploma) Instrumentation III	3	3	25	75	100	3
Semester VI							
III	Core X – Quantum Mechanics and Relativity	6	3	25	75	100	4
III	Core XI - Nuclear Physics	6	3	25	75	100	4
III	Major Practical III - Electronics Alone	2	3	40	60	100	3
	Major Practical IV - Digital and Micro Processor	2	3	40	60	100	3
III	Elective –II Micro Processors	4	3	25	75	100	5
III	Elective –III Object Oriented Programming in C++	5	3	25	75	100	5
III	Practical - C and C++	2	3	40	60	100	3
IV	Skill based Subject 4 (Diploma Practical)	3	3	40	60	100	3
V	Extension Activities	-	-	-	-	50	1
	Total					3800	140

- Note: 1. The syllabi for the above papers be the same as prescribed for the academic year 2007-08.
2. The regulations and the syllabi for Value Education – Human Rights will be uploaded shortly.