

BHARATHIAR UNIVERSITY, COIMBATORE-641 046
M. Sc. CHEMISTRY DEGREE COURSE WITH COMPULSORY DIPOLMA IN INDUSTRIAL
CHEMISTRY (AFFILIATED COLLEGES – CBCS PATTERN)
(For Candidates Admitted During the Academic Year 2008-2009 Batch & Onwards
SCHEME OF EXAMINATIONS

Sem.	Study Components	Course title	Ins.hrs/ week	Exam				Credit
				Dur.Hr	CIA	Marks	Total Marks	
I	Paper - I	Organic Chemistry – I (Organic reaction mechanisms)	5	3	25	75	100	5
	Paper - II	Inorganic Chemistry – I (Nuclear chemistry etc)	5	3	25	75	100	5
	Paper - III	Spectroscopy, Group theory and computer in Chemistry	5	3	25	75	100	4
	Elect./Dip.	Paper I Dye Chemistry / Corrosion Chemistry	3	3	25	75	100	3
	Practical - I	Organic Chemistry – I	4	-	-	-	-	-
	Practical - II	Inorganic Chemistry – I	4	-	-	-	-	-
	Practical - III	Physical Chemistry – I	4	-	-	-	-	-
II	Paper - IV	Organic Chemistry – II (Organic reaction mechanisms)	5	3	25	75	100	5
	Paper - V	Physical Chemistry-I (Quantum chemistry and Spectroscopy)	5	3	25	75	100	4
	Paper - VI	Physical Methods in Chemistry	5	3	25	75	100	4
	Practical - I	Organic Chemistry – I	4	6	40	60	100	4
	Practical - II	Inorganic Chemistry – I	4	6	40	60	100	4
	Practical - III	Physical Chemistry – I	4	6	40	60	100	4
	Elective/ Dip.	Paper II Industrial Chemistry	3	3	25	75	100	3
III	Paper - VII	Organic Chemistry – III (Chemistry of natural products)	5	3	25	75	100	5
	Paper - VIII	Physical Chemistry – II (Thermodynamics)	5	3	25	75	100	5
	Paper - IX	Kinetics of polymerization	5	3	25	75	100	4
	Elect./Dip.	Paper III Water pollution and Industrial Effluent treatment	3	3	25	75	100	3
	Practical - IV	Organic Chemistry - II	4	-	-	-	-	-
	Practical - V	Inorganic Chemistry - II	4	-	-	-	-	-
	Practical - VI	Physical Chemistry - II	4	-	-	-	-	-
IV	Paper - X	Inorganic Chemistry – II (Coordination chemistry)	6	3	25	75	100	5
	Paper - XI	Physical Chemistry – III (Reaction kinetics and electro chemistry)	6	3	25	75	100	4
	Paper - XII	Polymer technology	6	3	25	75	100	4
	Practical - IV	Organic Chemistry - II	4	6	40	60	100	4
	Practical - V	Inorganic Chemistry - II	4	6	40	60	100	4
	Practical - VI	Physical Chemistry - II	4	6	40	60	100	4
	Elective/ Dip.	Paper IV Project Work	-	-	-	-	100*	3
		Total					2200	90

* Project report - 80 marks; Viva-voce – 20 marks

Note: The syllabi for the above papers be the same as prescribed for the academic year 2007-08