

GOVERNMENT ARTS COLLEGE
(Autonomous Institution & Accredited by NAAC with 'A' Grade)
P.G. & RESEARCH DEPARTMENT OF CHEMISTRY
COIMBATORE – 641 018, INDIA



BOARD OF STUDIES MEETING

ON

29.09.2014

SYLLABI FOR B.Sc., Degree Program in Chemistry
(Effect from 2015 - 16 Onwards)



GOVERNMENT ARTS COLLEGE
(Autonomous Institution & Accredited by NAAC with 'A' Grade)
P.G. and RESEARCH DEPARTMENT OF CHEMISTRY
COIMBATORE – 641 018, INDIA
B.Sc. Degree Program in Chemistry (Effect from 2015 - 16Onwards) CBCS

SYLLABI FOR B.Sc., Degree Program in Chemistry (Effect from 2015- 16 Onwards)

Semester	S.No	Subject Code	Part	Subject	Hrs/week	Exam (Hrs)	Marks				No. of Credits	
							External mark	Internal mark	Total	External Passing Minimum.		Total passing minimum
I	1		I	Language I-Tamil – I	6	3	75	25	100	30	40	3
	2		II	Language II-English – I	6	3	75	25	100	30	40	3
	3		III	Core-I:General Chemistry– I	5	3	75	25	100	30	40	4
	4		III	Allied Mathematics – I	8	3	75	25	100	30	40	5
	5		III	Core Practical-I Inorganic Qualitative Analysis	3							
	6		IV	Environmental Studies	2	3	75	25	100	30	40	2
II	1		I	Language I - Tamil – II	6	3	75	25	100	30	40	3
	2		II	Language II - English – II	6	3	75	25	100	30	40	3
	3		III	Core-II: General Chemistry–II	5	3	75	25	100	30	40	4
	4		III	Mathematics – II	8	3	75	25	100	30	40	5
	5		III	Core Practical I - Inorganic Qualitative Analysis	3	3	60	40	100	24	40	5
	6		IV	Value Education	2	3	75	25	100	30	40	2
Total					60				1100			39

III	1		I	Language I - Tamil – III	6	3	75	25	100	30	40	3
	2		II	Language II - English – III	6	3	75	25	100	30	40	3
	3		III	Core-III:General Chemistry – III	4	3	75	25	100	30	40	4
	4		III	Allied Physics – I	5	3	60	15	75	24	30	3
	5		III	Allied Physics Practical	3	--	--	--	--	--	--	--
	6		III	Core Practical-II: Volumetric and Organic Qualitative Analysis	3	--						
	7		IV	Skill Based Elective I Polymer Chemistry	3	3	75	25	100	30	40	3
IV	I		I	Language I - Tamil – IV	6	3	75	25	100	30	40	3
	2		II	Language II - English – IV	6	3	75	25	100	30	40	3
	3		III	Core-IV: General Chemistry – IV	4	3	75	25	100	30	40	4
	4		III	Allied Physics – II	5	3	60	15	75	24	30	3
	5		III	Allied Physics Practical.	3	3	30	20	50	12	20	4
	6		III	Core Practical- II Volumetric and Organic Qualitative Analysis	3	6	60	40	100	24	40	5
	7		IV	Skill Based Elective - II Pharmaceutical Chemistry	3	3	75	25	100	30	40	3
	8		V	Extension activities NCC/NSS/YRC/PEd								1
Total					60				1100			42

V	1		III	Theoretical Chemistry	5	3	75	25	100	30	40	4
	2		III	Organic Chemistry – I	5	3	75	25	100	30	40	4
	3		III	Physical Chemistry – I	5	3	75	25	100	30	40	4
	4		IV	SkillBasedElectiveIII:Textile Chemistry	4	3	75	25	100	30	40	3
	5		IV	Non major Elective-I:Chemistry in Changing Life Style – I	3	3	75	25	100	30	40	2
	6		III	Gravimetric Analysis and Organic Preparations	3	--						
	7		III	Physical Chemistry Practicals	3	--						
	8		III	Project	2	--						
VI	1		III	Inorganic Chemistry	5	3	75	25	100	30	40	4
	2		III	Organic Chemistry – II	5	3	75	25	100	30	40	4
	3		III	Physical Chemistry – II	5	3	75	25	100	30	40	4
	4		IV	SkillBasedElective-IV Industrial Chemistry	4	3	75	25	100	30	40	3
	5		IV	Non major ElectiveII:Chemistry in Changing Life Style –II	3	3	75	25	100	30	40	2
	6		III	Gravimetric Analysis and Organic Preparations	3	3	60	40	100	24	40	5
	7		III	Physical Chemistry Practicals	3	3	60	40	100	24	40	5
	8		III	Project with Viva Voce.	2	80 (Report)		20 (Viva)	100	40	40	15
Total					60			1300			59	

Subject	Part	Total Credits	Total Marks
Language I: Tamil	I	12	400
Language II: English	II	12	400
Core	III	40	1000
Allied	III	20	400
Core Practical	III	20	400
Project	III	15	100
Skill Based Elective	IV	12	400
Non-Major Elective	IV	4	200
Environmental Studies	IV	2	200
Value Education		2	
Extension Activities	V	1	---
Total		140	3500