

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

29.01.2018

SYLLABI FOR B.Sc., Degree Program in Chemistry
(Effect from 2018 - 19 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
 (For the students admitted during the academic year 2018-2019 and onwards)

Annexure –7

UG - SCHEME OF EXAMINATIONS : CBCS PATTERN

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	18TAM11L	I	Language I-Tamil – I	6	3	75	25	100	30	40	3
	2	18ENG12L	II	Language II-English – I	6	3	75	25	100	30	40	3
	3	18BCH13C	III	Core-I:General Chemistry– I	5	3	75	25	100	30	40	4
	4	18BCH14A	III	Allied 1- Mathematics – I	8	3	75	25	100	30	40	5
	5	-	III	Core Practical-I Inorganic Qualitative Analysis	3							
	6	18ENV1GE	IV	Environmental Studies	2	3	75	25	100	30	40	2
II	1	18TAM21L	I	Language I - Tamil – II	6	3	75	25	100	30	40	3
	2	18ENG22L	II	Language II - English – II	6	3	75	25	100	30	40	3
	3	18BCH23C	III	Core-II: General Chemistry–II	5	3	75	25	100	30	40	4
	4	18BCH24A	III	Allied 2- Mathematics – II	8	3	75	25	100	30	40	5
	5	18BCH25P	III	Core Practical I - Inorganic Qualitative Analysis	3	3	60	40	100	24	40	5
	6	18VAL2GE	IV	Value Education Gandhian Thoughts	2	3	75	25	100	30	40	2
Total					60				1100			39

III	1	18TAM31L	I	Language I - Tamil – III	6	3	75	25	100	30	40	3
	2	18ENG32L	II	Language II - English – III	6	3	75	25	100	30	40	3
	3	18BCH33C	III	Core-III:General Chemistry – III	4	3	75	25	100	30	40	4
	4	18BCH34A	III	Allied 3 - Physics – I	5	3	60	15	75	24	30	3
	5	-	III	Allied Physics Practical	3	--	--	--	--	--	--	--
	6	-	III	Core Practical-II: Inorganic Volumetric and Organic Qualitative Analysis	3	--						
	7	18BCH35S	IV	Skill Based Elective I Polymer Chemistry	3	3	75	25	100	30	40	3
IV	I	18TAM41L	I	Language I - Tamil – IV	6	3	75	25	100	30	40	3
	2	18ENG42L	II	Language II - English – IV	6	3	75	25	100	30	40	3
	3	18BCH43C	III	Core-IV: General Chemistry – IV	4	3	75	25	100	30	40	4
	4	18BCH44A	III	Allied 4 -Physics – II	5	3	60	15	75	24	30	3
	5	18BCH45P	III	Allied Physics Practical.	3	3	30	20	50	12	20	4
	6	18BCH46P	III	Core Practical- II: Inorganic Volumetric and Organic Qualitative Analysis	3	6	60	40	100	24	40	5
	7	18BCH47S	IV	Skill Based Elective - II Pharmaceutical Chemistry	3	3	75	25	100	30	40	3
	8	18EXA4GE	V	Extension activities NCC/NSS/YRC/PEd								1
Total					60				1100			42

V	1	18BCH51C	III	Core V-Theoretical Chemistry	5	3	75	25	100	30	40	4
	2	18BCH52C	III	Core VI - Organic Chemistry – I	5	3	75	25	100	30	40	4
	3	18BCH53C	III	Core VII - Physical Chemistry – I	5	3	75	25	100	30	40	4
	4	18BCH54S	IV	SkillBased ElectiveIII:Textile Chemistry	4	3	75	25	100	30	40	3
	5	18BCH5EL	IV	Non major Elective-I:Chemistry in Changing Life Style – I	3	3	75	25	100	30	40	2
	6	-	III	Core Practical III: Inorganic Gravimetric Estimation and preparation	3	--						
	7	-	III	Core Practical IV: Physical Chemistry Practicals	3	--						
	8	-	III	Core Practical V: Application Oriented Practicals	2							
	9	-	III	Project	-							
VI	1	18BCH61C	III	Core VIII - Inorganic Chemistry	5	3	75	25	100	30	40	4
	2	18BCH62C	III	Core IX - Organic Chemistry – II	5	3	75	25	100	30	40	4
	3	18BCH63C	III	Core X Physical Chemistry – II	5	3	75	25	100	30	40	4
	4	18BCH67S	IV	SkillBasedElective-IV Industrial Chemistry	4	3	75	25	100	30	40	3
	5	18BCH6EL	IV	Non major ElectiveII: Chemistry in Changing Life Style –II	3	3	75	25	100	30	40	2
	6	18BCH64P	III	Core Practical III: Inorganic Gravimetric Estimation and preparation	3	3	60	40	100	24	40	3
	7	18BCH65P	III	Core Practical IV: Physical Chemistry	3	3	60	40	100	24	40	3
	8	18BCH66P	III	Core Practical V: Application Oriented Practicals	2	3	60	40	100	24	40	4
	9	18BCH68V	III	Project with Viva Voce.		80		20	100	32	40	15
Total					60			1400			59	

Credit and Marks Details for UG with effect from 2018-2019

SUMMARY :Credit and Total Marks B.Sc., CHEMISTRY

Part	Subject	No. of Papers	Credit	Total Credits	Marks	Total Marks
I	Language I: Tamil	04	03	12	100	400
II	Language II: English	04	03	12	100	400
III	Core	10	04	40	100	1000
III	Allied Maths	02	05	10	100	200
III	Allied Physics	02	03	06	75	200
		Practical 01	04	04	50	
III	Core Practical	05 (02 + 02+01)	- 5+3+4	20	100	500
III	Project	01	15	15	100	100
IV	Skill Based Elective	04	03	12	100	400
IV	Non-Major Elective	02	02	04	100	200
IV	Environmental Studies	01	02	02	100	200
	Value Education	01	02	02	100	
V	Extension Activities	01	01	01	---	---
Total		38	---	140	---	3600