Appendix II

UNIVERSITY OF KERALA

POST GRADUATE PROGRAMMES IN CHEMISTRY

(Revised Syllabi under Semester System with effect from 2013 Admission)

PREAMBLE

The syllabi of M.Sc programmes in Chemistry offered in the affiliated colleges of the University under Semester system have been revised and the revised syllabi are to be effective from 2013 admission. There are three independent PG programmes in Chemistry, namely M.Sc. Programme in Branch III - Chemistry, M.Sc. Programme in Branch IV Analytical Chemistry and M.Sc. Programme in Branch V - Applied Chemistry. All these three PG programmes are equivalent in all respect for employment and higher studies. Each of these three PG programmes shall extend over a period of two academic years comprising of four semesters, each of 450 hours in 18 weeks duration. The syllabi and scheme of examinations of these three programmes are detailed below. The theory courses of the first three Semesters and the practical courses of the first two semesters of the three programmes are common, and therefore, the examinations of these three PG programmes are to be conducted with common question papers for the first three semesters by a common Board of Examiners. These syllabi are effective from 2013 admission in affiliated colleges of the university.

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M.Sc. PROGRAMME IN BRANCH III - CHEMISTRY

(Revised syllabus under semester system with effect from 2013 admission) SYLLABUS AND SCHEME OF EXAMINATION

Hours per week		Duration	Marks	Marka	Total		
L	P	in hours	for CA	for ESA	mark		
S	EMESTE	R I*			ξú.		
5	in other.	Tall 13 11 F.	25	75	10		
5	ubiti voi	. HE QIOT	25 110188 1 1	75	10		
5	1. 11. F	11.30 mg	25	75	10		
vals (st.	3	(To be continued in Semester II)					
in the par	3:10	(To be continued in Semester II)					
18 2 / 18 1 A	4	(To be continued in Semester II)					
- 11-1 W	PRI	Total marks for semester 1 30					
eek: Theor	ry- 15 hou	rs, Practicals	- 10 hours (1	hour for Se	minar)		
S	EMESTE	R II*	nationals at	Tylas i	,)		
5		3	25	75	10		
5	1.	3	25	75	10		
5		3	25	75	10		
	3	6	25	75	100		
-	1 2	6	25	75			
	3	0	25	/5			
	4	6	25	75	100		
	s 5 5 5 7 7 8 8 5 5 5 5 5 5 5 5	SEMESTE 5 3 4 Peek: Theory- 15 hourseld to the seminary of	SEMESTER I* SEMESTER I*	Narks SEMESTER I* SEMESTER I* SEMESTER I* Semestrum Se	Narks Marks for CA Marks for ESA		

	3.	EMESTE	R III*		* *			
CH 231 Inorganic Chemistry III	5	419-1	3	25	75	100		
CH 232 Organic Chemistry III	5	i kat y n	3	25	75	100		
CH 233 Physical Chemistry III	5		3	25	75	100		
CH 234 Inorganic Practicals II	ing in	3	(To be con	=3				
CH 235 Organic Practicals II	1.	. 3	(To be con					
CH 236 Physical Practicals II	0 to gr	4	(To be continued in Semester IV)					
			Total mark	300				
Distribution of teaching hours/we	eek: Theor	y- 15 hour	s, Practicals	- 10 hours (1	hour for Ser	ninar)		
Free more to regrand be	SI	EMESTER	R IV*	ration of the	side m			
CH 241(a) Advanced Inorganic Chemistry**	* -		Single Single					
CH 241(b) Advanced Organic Chemistry**	15	in satur	3	25	75	100		
CH 241(c) Advanced Physical Chemistry**	. ada yakt		e se e Maci					
CH 234 Inorganic Practicals II	m j	3-	6	25	75	100		
CH 235 Organic Practicals II		3	6	25	75	100		
CH 236 Physical Practicals II		4	6	25	75	100		
CH 242(a) Dissertation					90	90		
CH 242(b) Visit to R & D Centre		v d corr		Mulia.	10	10		
Comprehensive viva-voce		A #1 + 17	या गुरु	- A	100	100		
* Transfer to proceed	Total marks for Semester IV							
*Distribution of to-	Grand total (for semesters I-IV)							
*Distribution of teaching hours/week: **Each student has to choose either (a	Theory- 15	hours, 10 h	ours for disc	sussion on pro	ject (1 hour i	for Semina		

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