KADI SARVA VISHWA VIDYALAYA K. B. INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH MASTER OF PHARMACY SYLLABUS Effective from Session JUNE 2012 SCHEME OF TEACHING

SEMESTER-I

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CREDITS	
		T	P	T	P
	111 to 117 are common subjects.				
111	Advanced Spectroscopic Methods	3	-	3	-
112	Advanced Spectroscopic Methods Practical	-	3	-	3
113	Biostatistics And Computer Applications	2	-	2	
114	Biostatistics And Computer Applications Practical	-	3	-	3
115	Intellectual Property Rights	2	-	2	-
116	New Drug Applications	2	-	2	-
117	Scientific Communication Skills	2	-	1	-
S	pecialization Subject: PHARMACEUTICS & PHAR	MACEUTIO	CAL TEC	HNOLOG	Y
211	Fundamentals of Pharmaceutics –I Theory	3	1	3	-
212	Pharmaceutics and Pharmaceutical Technology Practical-I	-	9	-	5
	Specialization Subject: PHARM	ACOLOGY	;	I.	I
311	Pharmacology I	3	-	3	_
312	Pharmacology I Practical	-	9	-	5
	Specialization Subject: PHARMACEUTICAL	QUALITY	ASSURAN	NCE	
411	Basic Concepts In Quality Assurance And Separation Science	3	-	3	-
412	Basic Concepts In Quality Assurance And Separation Science Practical	-	9	-	5
	Specialization Subject: PHARMACOGNOSY	& PHYTO	CHEMIST	'RV	
511	Basic Pharmacognosy & Phytochemistry	3	-	3	_
512	Basic Pharmacognosy & Phytochemistry Practical	-	9	-	5
	ialization subject: PHARMACEUTICAL MANAGEN	MENT & RI	EGULATO	DRY AFF	AIRS
611	Management Concepts-I	4	-	3	-
612	Business Communications	3	-	2	-
613	Indian Pharmaceutical Regulations And Guidelines	4	-	3	-
	Specialization Subject: CLINICAL	PHARMA	CY	l.	l.
711	Clinical Pharmacy I	3	-	3	-
712	Clinical Pharmacy I Practical	-	9	-	5
	Total				
200	Pharmaceutics	14	15	13	11
300	Pharmacology	14	15	13	11
400	Quality Assurance	14	15	13	11
500	Pharmacognosy	14	15	13	11
600	Pharmaceutical Management And Regulatory Affairs	22	6	18	06
700	Clinical Pharmacy	14	15	13	11

SPECIALIZATION: PHARMACEUTICS AND PHARMACEUTICAL TECHNOLOGY SCHEME OF TEACHING

SEMESTER – II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK				DITS
		Theory	Practical	Theory	Practical	
221	Fundamentals of Pharmaceutics - II	3		4		
222	Pharmaceutical Product Development - I	3		4		
223	Pharmaceutical Technology - I	3		4		
224	Pharmaceutical Biotechnology	3		3		
225	Pharmaceutics and Pharmaceutical Technology Practical - II		18		6	
226	Subject Seminar	6			3	
	TOTAL	18	18	15	9	

SEMESTER-III

SUB	NAME OF SUBJECT	CONTACT Hrs/WK		CREDITS	
CODE		Theory	Practical	Theory	Practical
231	Drug Delivery Systems	4		4	
232	Pharmaceutical Product Development - II	3		3	
233	Pharmaceutics And Regulatory Affairs	2		2	
234	Pharmaceutical Technology - II	3		3	
235	Pharmaceutics and Pharmaceutical Technology Practical – III		18		6
236	Synopsis (Introduction To Dissertation) & Viva Voce			3	
237	Subject Seminar	6			3
	TOTAL	18	18	15	9

SEMESTER-IV

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS
241	Dissertation (Project Work)	36	12
242	Viva- Voce		12

SPECIALIZATION: PHARMACOLOGY SCHEME OF TEACHING

SEMESTER - II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CREDITS	
		T	P	T	P
321	General Pharmacology	3		3	
322	Pharmacokinetics	3		4	
323	Systemic Pharmacology - I	3		4	
324	Systemic Pharmacology - II	3		4	
325	Pharmacology Practical - II		18		6
326	Subject Seminar	6			3
	TOTAL	18	18	15	9

SEMESTER-III

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CRED	DITS
		T	P	T	P
331	Pharmacological Screening - I	3		3	
332	Pharmacological Screening - II	3		3	
333	Clinical Pharmacology, Pathophysiology	3		3	
334	Regulatory Affairs in Clinical Research (Common Subject With 734 M.Pharm Clinical Pharmacy)	3		3	
335	Pharmacology Practical - III		18		6
336	Synopsis (Introduction To Dissertation) & Viva Voce			3	
337	Subject Seminar	6			3
	TOTAL	18	18	15	9

SEMESTER-IV

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS
341	Dissertation (Project Work)	36	12
342	Viva- Voce		12

SPECIALIZATION: PHARMACEUTICAL QUALITY ASSURANCE SCHEME OF TEACHING

SEMESTER - II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CRE	DITS
		Т	P	T	P
421	Pharmaceutical Analysis - I	2		3	
422	Natural Product and Biotechnology	3		4	
423	Chromatography	3		4	
424	Validation	4	1	4	
425	Quality Assurance Practical - II		18	-	6
426	Subject Seminar	6			3
	Total	18	18	15	9

SEMESTER - III

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		HOURS		CREI	DITS
		T	P	T	P		
431	Biological Evaluation and Clinical Research	3		3			
432	Pharmaceutical Product Development	3		3			
433	Food and Cosmetics, Special Analytical Techniques	3		3			
434	Quality Management	3		3			
435	Quality Assurance Practical -III		18		6		
436	Synopsis (Introduction To Dissertation) & Viva Voce			3			
437	Subject Seminar	6			3		
	TOTAL	18	18	15	9		

SEMESTER-IV

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS
441	Dissertation (Project Work)	36	12
442	Viva- Voce		12

SPECIALIZATION: PHARMACOGNOSY & PHYTOCHEMISTRY SCHEME OF TEACHING

SEMESTER-II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CREDITS	
		T	P	T	P
521	Advanced Pharmacognosy-I	3		4	
522	Plant Biotechnology	3		3	
523	Chemistry of Medicinal Natural Products-I	3		4	
524	Chemistry of Medicinal Natural Products-II	3		4	
525	Pharmacognosy & Phytochemistry Practical –II		18		6
526	Seminar / Term Assignment	6			3
	TOTAL	18	18	15	9

SEMESTER-III

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		HOURS		CRED	DITS
		T	P	T	P		
531	Advanced Pharmacognosy - II	3		3			
532	Advanced Phytopharmacology	3		3			
533	Advanced Analytical Techniques	3		3			
534	Standardization of Traditional Herbal Drugs	3		3			
535	Pharmacognosy & Phytochemistry Practical – III		18		6		
536	Synopsis (Introduction to Dissertation) & Viva voce			3			
537	Subject Seminar	6			3		
	TOTAL	18	18	15	9		

SEMESTER-IV

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS
541	Dissertation (Project Work)	36	12
542	Viva- Voce		12

SPECIALIZATION: PHARMACEUTICAL MANAGEMENT AND REGULATORY AFFAIRS SCHEME OF TEACHING

SEMESTER-II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CRED	OITS
		T	P	T	P
621	Management Concepts – II	4		4	
622	Good Manufacturing Practices	3		3	
623	Pharmaceutical Validation	3		3	
624	Good Laboratory Practices	3		3	
625	Regulatory Affairs Practical - I		18	-	6
626	Drug Discovery and Development Process -Outline	2		2	
627	Assignments/Seminars/Presentations	3			3
	TOTAL	18	18	15	9

SEMESTER-III

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		HOURS		DITS
		T	P	T	P	
631	Management Concepts – III	4		4		
632	Good Clinical Practices	3		3		
633	Preclinical Safety and Efficacy Studies	2		2		
634	Regulatory Aspects for Cosmetics, Nutraceuticals, Biotech Products and Medical Devices	3		3		
635	Regulatory Submissions - National and International	3		3		
636	Regulatory Affairs Practical - II		18		6	
637	Assignments/Seminars/Presentations	3			3	
	TOTAL	18	18	15	9	

SEMESTER-IV

	SEVIESTER IV							
SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS					
641	Dissertation (Project Work)	36	12					
642	Viva- Voce		12					

SPECIALIZATION: CLINICAL PHARMACY SCHEME OF TEACHING

SEMESTER-II

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		HOURS	
		T	P	T	P
721	Pharmacotherapeutics - I	3		4	
722	Pharmacotherapeutics - II	3		4	
723	Clinical Pharmacy - II	3		4	
724	Bio-pharmaceutics and Pharmacokinetics - I	3	-	3	
725	Clinical Pharmacy Practical - II		18		6
726	Subject Seminar	6			3
	TOTAL	18	18	15	9

SEMESTER-III

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK		CREI	DITS
		T	P	T	P
731	Bio-pharmaceutics and Pharmacokinetics – II	3		3	
732	Clinical Pharmacy - III	3		3	
733	Hospital and Community Pharmacy	3		3	
734	Regulatory Affairs in Clinical Research	3		3	
735	Clinical Pharmacy Practical - III		18		6
736	Synopsis / ITD				3
737	Subject Seminar	6			3
	TOTAL	18	18	12	12

SEMESTER-IV

SUB CODE	NAME OF SUBJECT	CONTACT HOURS PER WEEK	CREDITS
741	Dissertation (Project Work)	36	12
742	Viva- Voce		12

MASTER OF PHARMACY SYLLABUS Effective from Session JUNE 2012 SCHEME OF EXAMINATION SEMESTER-I

NAME OF SUBJECT DURATION OF EXAM (Hrs) Hevel Institute level University University level University level University level University University level University University level University University level University University	SEMESTER-I							
NAME OF SUBJECT OF EXAM (Hrs) Institute level Institute Investity Institute Investity Investity								
Charles							,	
Revaluation Revaluation	CODE	NAME OF SUBJECT						
111			(Hrs)					
112						evaluation	evaluation	
Practical S	111		3	80	20			
Applications S	112	Practical	3			80	20	
115	113	Applications	3	80	20			
115	114		3			80	20	
116 New Drug Applications 3 80 20 117 Scientific Communication Skills 3 80 20 SPECIALIZATION SUBJECT: PHARMACEUTICS 211	115		3	80	20			
Scientific Communication Skills 3 80 20								
SPECIALIZATION SUBJECT: PHARMACEUTICS								
Pundamentals of Pharmaceutics								
Pharmaceutics and Pharmaceutical 1	211	Fundamentals of Pharmaceutics-I						
SPECIALIZATION SUBJECT: PHARMACOLOGY 311 Pharmacology - I 3 80 20 80 20	212	Pharmaceutics and Pharmaceutical	6			80	20	
SPECIALIZATION SUBJECT: PHARMACOGNOSY & PHYTOCHEMISTRY			TION SUBJECT	: PHARMAC	OLOGY			
Pharmacology - I Practical 6	311							
SPECIALIZATION SUBJECT: PHARMACEUTICAL QUALITY ASSURANCE 411			_			80	20	
Basic Concepts in Quality Assurance and Separation Science 3 80 20	012			EUTICAL OI	JALITY ASSI			
A								
Basic Concepts in Quality Assurance and Separation Science Practical SPECIALIZATION SUBJECT: PHARMACOGNOSY & PHYTOCHEMISTRY	411		3	80	20			
SPECIALIZATION SUBJECT: PHARMACOGNOSY & PHYTOCHEMISTRY	410					90	20	
511 Basic Pharmacognosy & Phytochemistry 3 80 20 512 Basic Pharmacognosy & Phytochemistry Practical 6 80 20 SPECIALIZATION SUBJECT: PHARMACEUTICAL MANAGEMENT & REGULATORY AFFAIRS 611 Management Concepts - I 3 80 20 612 Business Communications 3 80 20 613 Indian Pharmaceutical Regulations and Guidelines 3 80 20 SPECIALIZATION SUBJECT: CLINICAL PHARMACY 711 Clinical Pharmacy - I 3 80 20 712 Clinical Pharmacy - I Practical 6 80 20 TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmaceutical Management and Regulatory Affa	412		0			80	20	
Phytochemistry		SPECIALIZATION SUBJE	CT: PHARMAC	OGNOSY &	PHYTOCHEN	MISTRY		
Phytochemistry	£11	Basic Pharmacognosy &	2	90	20			
Phytochemistry Practical	311		3	80	20			
Phytochemistry Practical	512	Basic Pharmacognosy &	6			90	20	
611 Management Concepts - I 3 80 20 612 Business Communications 3 80 20 613 Indian Pharmaceutical Regulations and Guidelines 3 80 20 SPECIALIZATION SUBJECT: CLINICAL PHARMACY 711 Clinical Pharmacy - I 3 80 20 712 Clinical Pharmacy - I Practical 6 80 20 TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmacognosy 30 480 120 240 60 500 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40								
612 Business Communications 3 80 20 613 Indian Pharmaceutical Regulations and Guidelines 3 80 20 SPECIALIZATION SUBJECT: CLINICAL PHARMACY 711 Clinical Pharmacy - I 3 80 20 712 Clinical Pharmacy - I Practical 6 80 20 TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	SI	PECIALIZATION SUBJECT: PHAR	MACEUTICAL :	MANAGEME	NT & REGUI	LATORY AFF	FAIRS	
SPECIALIZATION SUBJECT: CLINICAL PHARMACY To SPECIALIZATION SUBJECT: CLINICAL PHARMACY To Clinical Pharmacy - I S S S S S S S S S	611	Management Concepts - I		80				
SPECIALIZATION SUBJECT: CLINICAL PHARMACY T11 Clinical Pharmacy - I 3 80 20 712 Clinical Pharmacy - I Practical 6 80 20 TOTAL	612		3	80	20			
711 Clinical Pharmacy - I 3 80 20 712 Clinical Pharmacy - I Practical 6 80 20 TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	613		3	80	20			
712 Clinical Pharmacy - I Practical 6 80 20 TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40		SPECIALIZATION	ON SUBJECT: (CLINICAL PH	IARMACY			
TOTAL 200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40		Clinical Pharmacy - I	3	80	20			
200 Pharmaceutics 30 480 120 240 60 300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	712	Clinical Pharmacy - I Practical	6			80	20	
300 Pharmacology 30 480 120 240 60 400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40			TOTAL					
400 Pharmaceutical Quality Assurance 30 480 120 240 60 500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	200	Pharmaceutics	30	480	120	240	60	
500 Pharmacognosy 30 480 120 240 60 600 Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	300	Pharmacology	30	480	120	240	60	
Pharmaceutical Management and Regulatory Affairs 30 640 160 160 40	400	Pharmaceutical Quality Assurance	30	480	120	240	60	
Regulatory Affairs 30 640 160 160 40	500	Pharmacognosy	30	480	120	240	60	
	600		30	640	160	160	40	
	700		30	480	120	240	60	

SPECIALIZATION: PHARMACEUTICS AND PHARMACEUTICAL TECHNOLOGY SCHEME OF EXAMINATION

SEMESTER – II

SUB	NAME OF SUBJECT	DURATION	MARKS			
CODE		OF EXAM	OF EXAM THEORY PRACTIC		TICAL	
		(HRS)	University level evaluation	Institute level evaluation	University level evaluation	Institute level evaluation
221	Fundamentals of Pharmaceutics - II	3	80	20		
222	Pharmaceutical Product Development -I	3	80	20		
223	Pharmaceutical Technology -I	3	80	20		
224	Pharmaceutical Biotechnology	3	80	20		
225	Pharmaceutics and Pharmaceutical Technology Practical -II	12	1		80	20
226	Subject Seminar					100
	TOTAL		320	80	80	120

SEMESTER – III

SUB	NAME OF SUBJECT	DURATION		MA	RKS	
CODE		OF EXAM THEORY PRA		PRAC'	ΓICAL	
		(HRS)	University level evaluation	Institute level evaluation	University level evaluation	Institute level evaluation
231	Drug Delivery Systems	3	80	20		
232	Pharmaceutical Product Development - II	3	80	20		
233	Pharmaceutics and Regulatory Affairs	3	80	20		
234	Pharmaceutical Technology - II	3	80	20		
235	Pharmaceutics and Pharmaceutical Technology Practical – III	12			80	20
236	Synopsis (Introduction To Dissertation) & Viva Voce		80	20		
237	Subject Seminar					100
	TOTAL		400	100	80	120

SEMESTER – IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
241	Dissertation	100
242	Viva- Voce	100
	TOTAL	200

SPECIALIZATION: PHARMACOLOGY SCHEME OF EXAMINATION

SEMESTER-II

SUB	NAME OF SUBJECT	DURATION		MARKS			
CODE		OF EXAM	XAM THEORY PRACTICAL		TICAL		
		(HRS)	University	Institute	University	Institute	
			level	level	level	level	
			evaluation	evaluation	evaluation	evaluation	
321	General Pharmacology	3	80	20	-		
322	Pharmacokinetics	3	80	20			
323	Systemic Pharmacology - I	3	80	20	1		
324	Systemic Pharmacology - II	3	80	20			
325	Pharmacology Practical - II	12			80	20	
326	Subject Seminar					100	
	TOTAL		320	80	80	120	

SEMESTER - III

SUB	NAME OF SUBJECT	DURATION		MA	RKS	
CODE		OF EXAM	THE	ORY	PRAC'	TICAL
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
331	Pharmacological Screening - I	3	80	20		
332	Pharmacological Screening - II	3	80	20		
333	Clinical Pharmacology,	3	80	20		
	Pathophysiology		00			
	Regulatory Affairs in Clinical					
334	Research (Common Subject With	3	80	20		
	734 M.Pharm Clinical Pharmacy)					
335	Pharmacology Practical - III	12			80	20
336	Synopsis (Introduction To		80	20		
330	Dissertation) & Viva Voce		80	20		
337	Subject Seminar					100
	TOTAL		400	100	80	120

SEMESTER - IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
341	Dissertation	100
342	Viva- Voce	100

SPECIALIZATION: PHARMACEUTICAL QUALITY ASSURANCE SCHEME OF EXAMINATION

SEMESTER-II

SUB	NAME OF SUBJECT	DURATION		MARKS			
CODE		OF EXAM	THE	ORY	PRACTICAL		
		(HRS)	University level	Institute level	University level	Institute level	
			evaluation	evaluation	evaluation	evaluation	
421	Pharmaceutical Analysis - I	3	80	20			
422	Natural Product and Biotechnology	3	80	20			
423	Chromatography	3	80	20			
424	Validation	3	80	20			
425	Quality Assurance Practical - II	12			80	20	
426	Subject Seminar					100	
	TOTAL		320	80	80	120	

SEMESTER - III

SUB	NAME OF SUBJECT	DURATION		MA	RKS	
CODE		OF EXAM	THE	ORY	PRAC'	TICAL
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
431	Biological Evaluation and	3	80	20		
731	Clinical Research	3	80	20		
432	Pharmaceutical Product	3	80	20		
732	Development	3	80	20		
433	Food and Cosmetics, Special	3	80	20		
733	Analytical Techniques	3	00	20		
434	Quality Management	3	80	20		
435	Quality Assurance Practical - III	12			80	20
436	Synopsis (Introduction To		80	20		
430	Dissertation)		80	20		
437	Subject Seminar					100
	TOTAL		400	100	80	120

SEMESTER - IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
441	Dissertation	100
442	Viva- Voce	100
	TOTAL	200

SPECIALIZATION: PHARMACOGNOSY & PHYTOCHEMISTRY SCHEME OF EXAMINATION

SEMESTER - II

SUB	NAME OF SUBJECT	DURATION	MARKS			
CODE		OF EXAM	THE	ORY	PRAC'	TICAL
		(HRS)	University level evaluation	Institute level evaluation	University level evaluation	Institute level evaluation
521	Advanced Pharmacognosy - I	3	80	20		
522	Plant Biotechnology	3	80	20		
523	Chemistry of Medicinal Natural Products - I	3	80	20		
524	Chemistry of Medicinal Natural Products - II	3	80	20		
525	Pharmacognosy & Phytochemistry Practical – II	12			80	20
526	Seminar / Term assignment					100
	TOTAL		320	80	80	120

SEMESTER - III

SUB	NAME OF SUBJECT	DURATION		MARKS		
CODE		OF EXAM	THE	ORY	PRACTICAL	
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
531	Advanced Pharmacognosy - II	3	80	20		
532	Advanced Phytopharmacology	3	80	20		
533	Advanced Analytical Techniques	3	80	20		
534	Standardization of Traditional	3	80	20		
334	Herbal Drugs	3	80	20		
535	Pharmacognosy &	12			80	20
333	Phytochemistry Practical – III	12			00	20
536	Synopsis (Introduction to		80	20		
550	Dissertation) & Viva voce		30	20		
537	Subject Seminar					100
	TOTAL	-	400	100	80	120

SEMESTER - IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
541	Dissertation	100
542	Viva- Voce	100
	TOTAL	200

SPECIALIZATION: PHARMACEUTICAL MANAGEMENT AND REGULATORY AFFAIRS SCHEME OF EXAMINATION

SEMESTER - II

SUB	NAME OF SUBJECT	DURATION	MARKS			
CODE		OF EXAM	THE	ORY	PRACTICAL	
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
621	Management Concepts -II	3	80	20		
622	Good Manufacturing Practices	3	80	20	-	
623	Pharmaceutical Validation	3	80	20		
624	Good Laboratory Practices	3	80	20		
625	Regulatory Affairs Practical-I	6			80	20
626	Drug Development Process -Outline	3	80	20	-	
627	Assignments/Seminars/Presentations					100
	Total		400	100	80	120

SEMESTER - III

SUB	NAME OF SUBJECT	DURATION		MA	RKS	
CODE		OF EXAM	THE	ORY	PRAC'	ΓICAL
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
631	Management Concepts – III	3	80	20		
632	Good Clinical Practices	3	80	20	-	
633	Preclinical Safety and Efficacy	3	80	20		
033	Studies	3	80	20		
	Regulatory Aspects for Cosmetics,					
634	Nutraceuticals, Biotech Products	3	80	20		
	and Medical Devices					
635	Regulatory Submissions-National	3	80	20		
033	And International	3		20		
636	Regulatory Affairs Practical - II	6			80	20
637	Assignments/Seminars/Presentations					100
	TOTAL		400	100	80	120

SEMESTER - IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
641	Dissertation	100
642	Viva- Voce	100
	TOTAL	200

SPECIALIZATION: CLINICAL PHARMACY SCHEME OF EXAMINATION

SEMESTER - II

SUB	NAME OF SUBJECT	DURATION	MARKS			
CODE		OF EXAM	THE	ORY	PRAC'	ΓICAL
		(HRS)	University	Institute	University	Institute
			level	level	level	level
			evaluation	evaluation	evaluation	evaluation
721	Pharmacotherapeutics - I	3	80	20		
722	Pharmacotherapeutics - II	3	80	20		
723	Clinical Pharmacy - II	3	80	20		
724	Bio-pharmaceutics and Pharmacokinetics - I	3	80	20	-1	
725	Clinical Pharmacy Practical - II	12			80	20
726	Subject Seminar					100
	TOTAL		320	80	80	120

SEMESTER - III

SUB	NAME OF SUBJECT	DURATION	MARKS			
CODE		OF EXAM	THEORY		PRACTICAL	
		(HRS)	University level evaluation	Institute level evaluation	University level evaluation	Institute level evaluation
731	Bio-pharmaceutics and Pharmacokinetics – II	3	80	20		
732	Clinical Pharmacy - III	3	80	20		
733	Hospital and Community Pharmacy	3	80	20		
734	Regulatory Affairs in Clinical Research	3	80	20		
735	Clinical Pharmacy Practical - III	12			80	20
736	Synopsis / ITD		80	20		
737	Subject Seminar					100
	TOTAL		400	100	80	120

SEMESTER - IV

SUB CODE	NAME OF SUBJECT	UNIVERSITY LEVEL EVALUATION
741	Dissertation	100
742	Viva- Voce	100
	TOTAL	200