

FACULTY OF Pharmaceutical ScienceS

COURSE STRUCTURE

(As Per Pharmacy Council of India)

BACHELOR OF PHARMACY

Aegis: Charutar Vidya Mandal (Estd.1945)

Effective from Academic Year: 2022-23

Opp. Shastri Maidan, Beside BVM College, Vallabh Vidyanagar, Dist: Anand, Gujarat - 388120 (O): 02692-238001 | Email: adminoffice@cvmu.edu.in | www.cvmu.edu.in Faculty of Pharmaceutical Sciences



Programme Name:

Bachelor of Pharmacy

Programme Structure Summary

			SE	MEST	ER 1							
Course	Course			Τe	eachin	ng Sch	eme	INT(T)	EXT(T)	INT(P)	EXT(P)	Grand Total
Group	Code	Course Name	Cr	Т	Р	Tu	Cont. Hrs	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing	Max /
Core	108010101	Human Anatomy and Physiology – I	4	3	I	1	4	25/10	75/30	-	I	100/40
Core	108010102	Pharmaceutical Analysis – I	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010103	Pharmaceutics – I	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010104	Pharmaceutical Inorganic Chemistry	4	3	-	1	4	25/10	75/30	_	_	100/40
Core	108010105	Communication Skills +	2	2	-	-	2	15/06	35/14	-	-	50/20
Core	108010106	Remedial Biology +	2	2	-	-	2	15/06	35/14	-	-	50/20
Core	108010107	Remedial Mathematics +	2	2	-	-	2	15/06	35/14	-	-	50/20
Core	108010111	Human Anatomy and Physiology - I Practical	2	_	4	_	4	-	-	25/10	75/30	100/40
Core	108010112	Pharmaceutical Analysis - I Practical	2	-	4	-	4	-	-	25/10	75/30	100/40
Core	108010113	Pharmaceutics - I Practical	2	-	4	-	4	-	-	25/10	75/30	100/40
Core	108010114	Pharmaceutical Inorganic Chemistry Practical	2	_	4	_	4	-	-	25/10	75/30	100/40
Core	108010115	Communication Skills Practical +	1	-	2	-	2	-	-	15/06	35/14	50/20
Core	108010116	Remedial Biology Practical +	1	_	2	_	2	-	-	15/06	35/14	50/20
+ -	Non Universi	ity Examination										

+ - Non University Examination

	SEMESTER 2 (Revision – 1)											
Course	Course			Те	achin	g Sch	eme	INT(T)	EXT(T)	INT(P)	EXT(P)	Grand Total
Group	Code	Course Name	Cr	Т	Р	Tu	Cont. Hrs	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing
Core	108010201	Human Anatomy and Physiology II	4	3	Ι	1	4	25/10	75/30	-	-	100/40
Core	108010202	Pharmaceutical Organic Chemistry I	4	3	Ι	1	4	25/10	75/30	-	-	100/40
Core	108010203	Pharmaceutical Engineering	4	3	-	1	4	25/10	75/30	_	-	100/40
Core	108010204	Computer Applications in Pharmacy+	3	3	-	-	3	15/06	35/14	-	-	50/20
Core	108010205	Environmental Sciences+	3	3	Ι	-	3	15/06	35/14	-	-	50/20
Core	108010211	Human Anatomy and Physiology II Practical	2	Ι	4	Ι	4	_	_	25/10	75/30	100/40
Core	108010212	Pharmaceutical Organic Chemistry I Practical	2	Ι	4	I	4	-	-	25/10	75/30	100/40
Core	108010213	Pharmaceutical Engineering Practical	2	-	4	-	4	-	-	25/10	75/30	100/40
Core	108010214	Computer Applications in Pharmacy Practical +	1	-	2	I	2	-	-	15/06	35/14	50/20
Liberal Arts	900009902	Painting *	2	-	2	Ι	2	-	-	50/20	50/20	100/40
Liberal Arts	900009903	Photography *	2	-	2	_	2	_	-	50/20	50/20	100/40
Liberal Arts	900009904	Media and Graphics *	2	-	2	-	2	-	-	50/20	50/20	100/40
Liberal Arts	900009905	Music *	2	-	2	-	2	_	-	50/20	50/20	100/40
Liberal Arts	900009906	Dramatics *	2	-	2	-	2	-	-	50/20	50/20	100/40
Liberal Arts	900009907	Contemporary Dance *	2	-	2	-	2	-	-	50/20	50/20	100/40

* A Course on Liberal Arts – Any One Course to be opted

+ - Non University Examination



Faculty of Pharmaceutical Sciences



Programme Name:

Bachelor of Pharmacy

	SEMESTER 3 (Revision – 1)											
				Te	achii	ng Sc	heme	INT(T)	EXT(T)	INT(P)	EXT(P)	Grand
Course Group	Course Code	Course Name	Cr	Т	Р	Tu	Cont. Hrs	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing	Total Max./ Passing
Core	108010301	Pharmaceutical Organic Chemistry –II	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010302	Physical Pharmaceutics -I	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010303	Biochemistry	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010304	Pathophysiology	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010305	Pharmacognosy and Phytochemistry –I	4	3	-	1	4	25/10	75/30	_	_	100/40
Core	900009901	Creativity, Problem Solving and Innovation	2	-	2	-	2	-	-	50/20	50/20	100/40
Core	108010311	Pharmaceutical Organic Chemistry –II Practical	2	-	4	-	4	-	-	25/10	75/30	100/40
Core	108010312	Physical Pharmaceutics –I Practical	2	-	4	-	4	-	Ι	25/10	75/30	100/40
Core	108010313	Biochemistry Practical	2	-	4	-	4	-	-	25/10	75/30	100/40
Core	108010315	Pharmacognosy and Phytochemistry –I Practical	2	-	4	-	4	-	-	25/10	75/30	100/40

		SEMESTER 4										
Course	Course			Τe	eachin	ıg Sch	eme	INT(T)	EXT(T)	INT(P)	EXT(P)	Grand Total
Group			Tu	Cont. Hrs	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing	Max./ Passing			
Core	108010401	Pharmaceutical Organic Chemistry -III	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010402	Medicinal Chemistry -I	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010403	Physical Pharmaceutics -II	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010404	Pharmacology –I	4	3	-	1	4	25/10	75/30	-	_	100/40
Core	108010405	Pharmaceutical Jurisprudence	4	3	-	1	4	25/10	75/30	-	-	100/40
Core	108010412	Medicinal Chemistry –I Practical	2	-	4	-	4	_	-	25/10	75/30	100/40
Core	108010413	Physical Pharmaceutics –II Practical	2	-	4	-	4	-	_	25/10	75/30	100/40
Core	108010414	Pharmacology –I Practical	2	-	4	-	4	-	-	25/10	75/30	100/40

Faculty Name:

Faculty of Pharmaceutical Sciences



Programme Name:

Bachelor of Pharmacy

Programme Outcomes

P0-1	Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic
	knowledge associated with the profession of pharmacy, including biomedical sciences;
	pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and
	manufacturing practices.
PO-2	Planning Abilities: Demonstrate effective planning abilities including time management,
	resource management, delegation skills and organizational skills. Develop and implement
	plans and organize work to meet deadlines.
PO-3	Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly
	and critically, while solving problems and making decisions during daily practice. Find,
	analyze, evaluate and apply information systematically and shall make defensible decisions.
PO-4	Modern tool usage: Learn, select, and apply appropriate methods and procedures,
	resources, and modern pharmacy-related computing tools with an understanding of the
	limitations.
PO-5	Leadership skills: Understand and consider the human reaction to change, motivation
	issues, leadership and team-building when planning changes required for fulfillment of
	practice, professional and societal responsibilities. Assume participatory roles as
	responsible citizens or leadership roles when appropriate to facilitate improvement in
	health and well- being.
P0-6	Professional Identity: Understand, analyze and communicate the value of their
	professional roles in society (e.g. health care professionals, promoters of health, educators,
	managers, employees).
PO-7	Pharmaceutical Ethics: Honour personal values and apply ethical principles in
	professional and social contexts. Demonstrate behavior that recognizes cultural and
	personal variability in values, communication and lifestyles. Use ethical frameworks; apply
	ethical principles while making decisions and take responsibility for the outcomes
	associated with the decisions.
P0-8	Communication: Communicate effectively with the pharmacy community and with society
	at large, such as, being able to comprehend and write effective reports, make effective
	presentations and documentation, and give and receive clear instructions.
P0-9	The Pharmacist and society: Apply reasoning informed by the contextual knowledge to
	assess societal, health, safety and legal issues and the consequent responsibilities relevant
	to the professional pharmacy practice.
PO-10	Environment and sustainability: Understand the impact of the professional pharmacy
	solutions in societal and environmental contexts, and demonstrate the knowledge of, and
	need for sustainable development.
PO-11	Lifelong learning: Recognize the need for and have the preparation and ability to engage
	in independent and life-long learning in the broadest context of technological change. Self-
	assess and use feedback effectively from others to identify learning needs and to satisfy
	these needs on an ongoing basis.

Faculty Name: Faculty of Pharmaceutical Sciences

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Programme Name: Bachelor of Pharmacy

Semester:

Academic Batch:

2022-23

Course Group	' Course Code		Course Name	Cr	Te	eachir	ıg Sch	eme	Assess Evalu Ty	ation	Exte Exa Dura (Hi	am ation	INT(T) Max./	EXT(T) Max./	INT(P) Max./	EXT(P) Max./ Passing	Grand Total Max./
					Т	Р	Tu	Cont. Hrs	Т	Р	Т	Р	Passing	Passing	Passing	Passing	Passing
Core	Pharmacy	108010101	Human Anatomy and Physiology – I	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	-	-	100/40
Core	Pharmacy	108010102	Pharmaceutical Analysis – I	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	-	-	100/40
Core	Pharmacy	108010103	Pharmaceutics – I	4	3	_	1	4	Т	-	3.0	-	25/10	75/30	-	-	100/40
Core	Pharmacy	108010104	Pharmaceutical Inorganic Chemistry	4	3	_	1	4	Т	_	3.0	_	25/10	75/30	-	-	100/40
Core	Pharmacy	108010105	Communication Skills +	2	2	-	-	2	Т	-	1.5	-	15/06	35/14	-	-	50/20
Core	Pharmacy	108010106	Remedial Biology +	2	2	_	_	2	Т	-	1.5	-	15/06	35/14	_	-	50/20
Core	Pharmacy	108010107	Remedial Mathematics +	2	2	-	-	2	Т	-	1.5	-	15/06	35/14	-	-	50/20
Core	Pharmacy	108010111	Human Anatomy and Physiology - I Practical	2	-	4	_	4	_	Р	_	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010112	Pharmaceutical Analysis - I Practical	2	-	4	_	4	-	Р	_	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010113	Pharmaceutics - I Practical	2	-	4	_	4	_	Р	_	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010114	Pharmaceutical Inorganic Chemistry Practical	2	-	4	_	4	_	Р	_	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010115	Communication Skills Practical +	1	-	2	_	2	_	Р	_	2.0	-	-	15/06	35/14	50/20
Core	Pharmacy	108010116	Remedial Biology Practical +	1	-	2	-	2	-	Р	_	2.0	-	-	15/06	35/14	50/20

T = Theory, P = Practical, Tu = Tutorial

+ - Non University Examination

Name & Sign [Chairman - Board of Studies]:

Name & Sign [Dean / Director]:

	Faculty Name:	Faculty of Pharmaceutica	al Sciences		
	Programme Name:	Bachelor of Pharmacy			
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Course Group	· · · · · · · · · · · · · · · · · · ·		de Course Name		Te	eachin	ıg Sch	eme	Assessment/ Evaluation Type		Ex Dura	ernal am ation rs.)	INT(T) Max./ Passing	EXT(T) Max./ Passing	INT(P) Max./	EXT(P) Max./ Passing	Grand Total Max./
					Т	Р	Tu Cont. Hrs		Т	Р	Т	Р	rassing	rassing	rassing	1 0331115	Passing
Core	Pharmacy	108010201	Human Anatomy and Physiology II	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	-	-	100/40
Core	Pharmacy	108010202	Pharmaceutical Organic Chemistry I	4	3	-	1	4	Т	_	3.0	-	25/10	75/30	_	-	100/40
Core	Pharmacy	108010203	Pharmaceutical Engineering	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	_	-	100/40
Core	Pharmacy	108010204	Computer Applications in Pharmacy +	3	3	-	-	3	Т	-	1.5	-	15/06	35/14	_	-	50/20
Core	Pharmacy	108010205	Environmental Sciences +	3	3	-	-	3	Т	-	1.5	-	15/06	35/14	_	-	50/20
Core	Pharmacy	108010211	Human Anatomy and Physiology II Practical	2	-	4	-	4	-	Р	-	3.0	_	-	25/10	75/30	100/40
Core	Pharmacy	108010212	Pharmaceutical Organic Chemistry I Practical	2	-	4	-	4	-	Р	-	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010213	Pharmaceutical Engineering Practical	2	-	4	-	4	-	Р	-	3.0	_	-	25/10	75/30	100/40
Core	Pharmacy	108010214	Computer Applications in Pharmacy Practical +	1	-	2	-	2	-	Р	-	2.0	-	-	15/06	35/14	50/20
Liberal Arts	Fine Arts	900009902	Painting *	2	_	2	-	2	-	Р	-	2.0	-	-	50/20	50/20	100/40
Liberal Arts	Fine Arts	900009903	Photography *	2	-	2	-	2	_	Р	-	2.0	_	_	50/20	50/20	100/40
Liberal Arts	Fine Arts	900009904	Media and Graphics *	2	-	2	-	2	-	Р	-	2.0	_	_	50/20	50/20	100/40
Liberal Arts	Fine Arts	900009905	Music *	2	_	2	_	2	-	Р	_	2.0	-	-	50/20	50/20	100/40
Liberal Arts	Fine Arts	900009906	Dramatics *	2	_	2	-	2	-	Р	-	2.0	-	-	50/20	50/20	100/40
Liberal Arts	Fine Arts	900009907	Contemporary Dance *	2	-	2	-	2	Ι	Р	_	2.0	_	_	50/20	50/20	100/40

T = Theory, P = Practical, Tu = Tutorial

* A Course on Liberal Arts - Any One Course to be opted

+ - Non University Examination

Name & Sign [Chairman - Board of Studies]:

Name & Sign [Dean / Director]:

Faculty Name:	Faculty of Pharmaceutic	al Sciences		
Programme Name:	Bachelor of Pharmacy			
Semester:	III	Revision - 1	Academic Batch:	2022-23

Course Group	' Course (Course Name	Cr	Τe	eachin	g Sch	eme	Evalu	sment/ ation vpe	External Exam Duration (Hrs.)		INT(T) Max./	Max./	INT(P) Max./	Max./	Grand Total Max./
					Т	Р	Tu	Cont. Hrs	Т	Р	Т	Р	Passing	Passing	Passing	Passing	Passing
Core	Pharmacy	108010301	Pharmaceutical Organic Chemistry -II	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	Ι	-	100/40
Core	Pharmacy	108010302	Physical Pharmaceutics -I	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	Ι	-	100/40
Core	Pharmacy	108010303	Biochemistry	4	3	-	1	4	Т	_	3.0	-	25/10	75/30	-	-	100/40
Core	Pharmacy	108010304	Pathophysiology	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	Ι	-	100/40
Core	Pharmacy	108010305	Pharmacognosy and Phytochemistry –I	4	3	-	1	4	Т	-	3.0	-	25/10	75/30	Ι	-	100/40
Core	Management	900009901	Creativity, Problem Solving and Innovation	2	-	2	-	2	-	Р	Ι	2.0	-	-	50/20	50/20	100/40
Core	Pharmacy	108010311	Pharmaceutical Organic Chemistry –II Practical	2	-	4	-	4	-	Р	Ι	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010312	Physical Pharmaceutics –I Practical	2	-	4	-	4	-	Р	Ι	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010313	Biochemistry Practical	2	-	4	-	4	-	Р	Ι	3.0	-	-	25/10	75/30	100/40
Core	Pharmacy	108010315	Pharmacognosy and Phytochemistry –I Practical	2	-	4	-	4	-	Р	Ι	3.0	_	_	25/10	75/30	100/40

T = Theory, P = Practical, Tu = Tutorial

Name & Sign [Chairman - Board of Studies]: Name & Sign [Dean / Director]:

Faculty Name: Faculty of Pharmaceutical Sciences

IV

Bachelor of Pharmacy

Semester:

Programme Name:

Academic Batch:

2022-23

External Assessment/ Exam Grand **Teaching Scheme** INT(P) EXT(P) Evaluation INT(T) EXT(T) Duration Course Board of Studies / Total Course Code Cr **Course Name** Type Max./ Max./ Max./ Max./ Faculty Ownership (Hrs.) Max./ Group Passing Passing Passing Passing Passing Cont. Т Tu Р Т Р Т Р Hrs 3 75/30 4 3.0 25/10 Core Pharmacy 108010401 Pharmaceutical Organic Chemistry -III 1 4 Т _ _ 100/40 _ _ _ 3.0 25/10 75/30 108010402 Medicinal Chemistry -I 3 100/40 Core Pharmacy 4 1 4 Т _ _ _ _ 3.0 Physical Pharmaceutics -II 4 3 Т 25/10 75/30 Core Pharmacy 108010403 1 4 _ _ _ _ 100/40 75/30 108010404 Pharmacology -I 4 3 _ 3.0 _ 25/10 Pharmacy 1 4 Т _ _ 100/40 Core -Pharmaceutical Jurisprudence 3 3.0 25/10 75/30 100/40 4 1 4 Т _ Core Pharmacy 108010405 _ _ _ 108010412 Medicinal Chemistry –I Practical 2 4 4 Р 3.0 25/10 75/30 100/40 Core Pharmacy _ _ -_ _ 2 3.0 108010413 Physical Pharmaceutics –II Practical 4 4 Р 25/10 75/30 100/40 Pharmacy Core _ _ _ _ _ 2 3.0 Core Pharmacy 108010414 Pharmacology –I Practical 4 4 Р 25/10 75/30 100/40 _ _ _

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