



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

Approved by PCI, AICTE, New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

NAAC Accredited with A+ (CGPA - 3.46)







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REVIEW OF TEACHING LEARNING PROCESS

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC & AMC (Academic Monitoring Committee)

Sr.	Method of	
No.	delivery of	Description
	syllabus	
		The conventional teaching method of 'chalk and board' is
1	Lecture	shifted to LCD - based classroom teaching. This allowed more
	Lecture	scope and time for interaction with students, rather than
		developing the concepts on the blackboard.
		The teaching faculty is also using new ICT tools of teaching
		such as recorded lecture on YouTube channel, e-note on google
2	ICT Tool	classroom, animated video, screen cast videos that makes the
		student more updated with the recent trends also enhances their
	2	interest towards learning.
		Demonstrates how theory can be verified by experiments
	Experiments and	through interpretation of results. Animal experimentation
3	Laboratory Work	through simulation of pharmacology that restricted the use of
	Laboratory work	animals for undergraduate course also increases understanding
		of concepts of experimentation.
		Tutorials are made more interactive and student - centric which
	Continuous	facilitates the learning process. Continuous assessment of
4		student through different academic activities like open book
	a550551110111	test, short presentation, group discussion increases student
		communication & interest.

Teaching Learning Process and Reformations





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		Assignments on subject topics are being introduced and are
5	Assignments	self-learning exercises for the students, where in the teacher
		acts as a facilitator.
		Drug design software like Chemdraw, Ultra, Chem 3D Ultra,
6	Academic Software	SwissADME, Molinspiration are used for chemical structure
		drawing & property studies of molecule.
		In- house training of advanced equipment and instruments for
7	In-house training	students is also carried out by teaching faculty to handle the
		sophisticated instrument with comfort and confidence.
		Industrial visit of students to understand the practical aspect of
		formulation on tablets capsules and semisolid dosage forms
		makes easy to understand and long-lasting impact than the
8		theoretical Knowledge also helps to understand practical
U	Industrial visit	problems associated with material handling and formulations.
		Environmental visit to nearby forest and herbarium to make
		students understand the practical approach of identification,
		cultivation and pharmaceutical application of various herbs.
		The faculty encourages the students to get experience in
9	Competitive exams	answering MCQ type of questions. Faculty conduct GPAT
,	like GPAT	orientation lecture. This is beyond the curriculum and being
		implemented, so as to train the students for competitive exams.
		The communication skill development for students is fully
10	Student competitions	employed by taking extra lectures, arranging competitions of
		student on different topics on several occasions.
	Mentor Mentee	All faculty members assign average 20 students as mentee for
11	System	personal & professional counselling of student for overall
	System	development.



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There is a provision of regular monitoring mechanism for reviewing the teaching- learning process. Academic Monitoring Committee (AMC) with academic in-charge under the guidance of the Principal monitors the teaching learning process regularly in the institution.

Methodology and Outcome of Teaching Learning Process

Sr. No.	Methodology	Outcome		
1	Preparation of academic calendar & Periodic evaluation	Ensures effective academic implementation & timely completion of curricular & extra-curricular activities.		
2	Preparation of teaching plan	Timely completion of syllabus.		
3	Daily attendance record	Ensures student attendance		
4	Continuous assessment/ In-semester examination	Student centric learning increases teacher student		
5	Seminars	interaction, continuous assessment of student and		
6	Assignments	facilitates the learning process		
7	Project Work	Enhance student research skill, exposure to new advance in field through literature study. Use of National Digital Library sources like DELNET.		
8	Extracurricular and Co-curricular activities	Overall personality development & improvement on leadership skill. Improvement in communication skill.		
9	Organization of Workshop/ Seminars	Exposure to beyond the syllabus knowledge, in- hand training & upgrade the knowledge about advancement in pharmacy field.		
10	Field visit	Understand the practical aspect of theory concept. Pharmaceutical application of different medicinal herbs.		



Dr. Sanjáy G. Walode PRINCIPAL Rasiklal M. Dhariwal Institute of armaceutical Education & Research Chinchwad Station, Pune-411019 ।। पठमं नाजं तओ दया ।।



Shri Jain Vidya Prasarak Mandal's

Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



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FACULTY DETAILS

Name of faculty

: Dr. Shweta P. Ghode

Department

: Pharmacognosy

Specialization

: Pharmacognosy and Phytochemistry

Academic year (Term-I/II) : 2022-23 (TERM II)

Teaching subjects: Herbal drug Technology [T.Y. (SEM VI)]

तिदाया

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CONTENT OF COURSE FILE

SR. NO.	PARTICULAR
1.	Academic calendar
2.	Work Load
3.	Roll Call
4.	University syllabus*
5.	Master Time Table
6.	Faculty Time Table
7.	Teaching Plan (Theory/Practical)
8.	CO's*
9.	PO's*
10.	PSO's*
11.	Mapping of CO, PO & PSO*
12.	Syllabus Declaration Report
13.	Syllabus Completion Report
14.	Attendance sheet
15.	List of reference book (Theory/Practical)
16.	Question Bank*
17.	Record of assignment (Practical) •
18.	Question Paper (Tutorial)
19.	Model answer paper
20.	Marksheets (Tutorial)
21.	Sessional Question Paper
22.	Sessional Marksheet
23.	Summary Marksheet
24.	University Question Papers*
25.	Notes/PPT/Reference book (Front and Course content Pages)*
26.	Slow and Advanced Learner
27.	Remedial Measures
28.	Certificate
*Carry for	ward documents Chinchwad Station, Pune-19 PU/PN/Pharma/ 465/2014



Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of **Pharmaceutical Education & Research** Acharya Anand Rushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019



Manikchand

B. PHA	RMACY TERM SHECD	ULE 2	2022-23			INS SCHEDULE		
SEMESTER	DURATION		DAYS	CLASS			SR. NO	CO-ORD
VII	15 th July 2022-03 rd Dec 20	122	107	S.Y.	SESSIONAL-1 (THEORI)	21/11/22 To 26/11/2022	1	Academic in
mbr l	D1 st Aug 2022 - 10 th Dec 20	177	103	B. PHARM	19/09/2022 10 23/09/2022		2	IQAC Co-ord
111/V	01 Aug 2022-10 Dec 20		105	B. PHARM	19/09/2022 To 23/09/2022	21/11/22 To 26/11/2022	3	Academic Re
IV/VI/VIII	1 st Jan 2023- 10 th May 203	23	105	Final year B.PHARM	19/09/2022 To 23/09/2022	21/11/22 To 26/11/2022	4	College Exar
Minimum No. o	of Theory hours /Subject du	ring	45 Hours :	CLASS	SESSIONAL-I(PRACTICAL)	SESSIONAL-II (PRACTICAL)		National Ser
Semester			4 Hrs/week	S.Y.	12/09/2022 To 15/09/2022	01/11/2022 To 04/11/2022	5	Scheme *
Minimum No. c	of Practical hours /Subject		15 Practical :	T.Y.	12/09/2022 To 15/09/2022	01/11/2022 To 04/11/2022	6	Student We
				Final year B.PHARM	12/09/2022 To 12/09/2022	01/11/2022 To 01/11/2022		Cultural Pro
WORKING DAY	'S IENIATIVE H	10110	ATS OF		SPPLI FXAM NOV/DE	C~ 2022-23		Nodal Office
Monday to Saturday (6	2024	2022-23						Notal Office
Saturday (6	Ramzan-id	Bhau	ıbij				10	GRAT & Con
days/week)	Bakri-Id	Christ	tmas				11	Examination
	Foundation Day	Guru	nanak Jayanti				1 12	Ladies Griev
	Independence Day	Chha	trapati Shivaji		TENTATIVE EXAMINATIO	TER)	13	Anti-Raggin
COLLEGE		Ividite		CLASS	SESSIONAL-I (THEORY)	SESSIONAL-II(THEORY)	14	Industrial V
TIMINGS	Parsi New Year	Mana		S. Y.	20/02/2023 To 25/02/2023	17/04/2023 To 22/04/2023	15	Sports
09:00 am -5:30 p	m Ganesh Chaturthi	HON	Second Day)	B. PHARM		17/04/2023 To 21/04/2023	16	Annual Ma
	Moharam	Gudis	Padawa	B. PHARM	20/02/2023 10 25/02/2023	17/04/2023 10 22/04/2023	_	
LIBRARY	Anant Chaturdashi	Maha	avir Jayanti	Final year B.PHARM	20/02/2023 To 25/02/2023	17/04/2023 To 22/04/2023	125	
TIMINGS	Mahatma Gandhi	Dr. A	mbedkar	CLASS	SESSIONAL-I(PRACTICAL)	SESSIONAL-II (PRACTICAL)	SP	
09.00 am -5.30 pi	n Jayanti (Sunday)	Jayan		5. Y.	13/02/2023 To 17/02/2023	10/04/2023 To 14/04/2023	NO	. CL
	Dasara	Good	Friday	B. PHARM		10/0 10037 To 10/04/2033	1	S. Y. B. P
	Dhantrayodashi	Maha	irashtra Day	B. PHARM	13/02/2023 To 17/02/2023	10/04/2023 10 14/04/2023	- 2	T. Y. B. P
LUNCH TIME	Diwali (Balipratipada)			Final year B.PHARM	NA	NA		FINAL YE
1.00pm -1.30pn	DIWALI V	ACATIO	ONS	SPPU EXAM. APRIL/MAY-2022-23				PHARM
n	Diwali (Balipratipada) DiwALI V/ 24 th Oct 2022-	ACATIO	DNS ct 2022	B.PHARM	SPPU EXAM. APRIL/N	MAY-2022-23	3 *De:	FINAL YE PHARM signated by SI

	CO-OF	DINATORS	
SR. NO	CO-ORDINATOR	CLASS TEACHERS	CONTACT NUMBER
1	Academic in-charge	MR.A.P.KAKDE	9657725808
2	IQAC Co-ordinator*	Dr. S. P.GHODE	9767240481
3	Academic Research*	DR. M.H.RUDRPAL	8638724949
4	College Examination Officer*	MR.D.V.PANKE	7038829989
5	National Service Scheme *	MR.R.P.RAUT	9588682545
6	Student Welfare*	MR.A.A.GARUD	8459001921
7	Cultural Programme*	Mrs.H.H.PURANIK	9860987078
8	Training and Placement	DR.S.H.LAKDE	9403171201
9	Nodal Officer*	MR.A.A.GARUD	8459001921
10	Induction Programme	Ms.T.A.SANDE	9689867084
11	GPAT & Competitive Examination	Ms. P. N. CHHAJED	7875077854
12	Ladies Grievances	Ms. P. N. CHHAJED	7875077854
13	Anti-Ragging	Dr.A.A.GARUD	8459001921
14	Industrial Visit	DR.S.H.LAKDE	9403171201
15	Sports	MR.A.A.GARUD	8459001921
16	Annual Magazine	Ms.T.A.SANDE	9689867084

1.0	CL	ASS TEACHERS	
SR. NO.	CLASS	CLASS TEACHERS	CONTACT
1	S. Y. B. PHARM	Mrs.H.H.PURANIK	9860987078
2	T. Y. B. PHARM	MR.S.D.REDE	9763005735
3	FINAL YEAR B. PHARM	MR.R.P.RAUT	9588682545

PPU, Pune



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SR. NO.	DEPARTMENT	HEAD OF DEPARTMENT	CONTACT NUMBER
1	PHARMACEUTICS	DR.S.H.LAKDE	9403171201
2	PHARMACEUTICAL CHEMISTRY	DR. M.H.RUDRPAL	8638724949
3	PHARMACOLOGY	DR.V.S.NEHARKAR	9970291515
4	PHARMACOGNOSY	DR.S.P.GHODE	9767240481

	CO-CURRICULAR/ EXTRACT	JRRICULAR
Sr. No.	Activity	Tentative Schedule
1	Remembrance of Late Shri Shankarlalji Jogidasji Mutha, Former Hon, Gen, Secretary SJVPM	15/07/2022
2	Teacher's Day Celebration	05/09/2022
3	SIVPM Foundation Day Celebration	08/09/2022
4	National Pharmacy Week Celebration	17-23 /09/2022
5	Pharmacist's Day Celebration	25/09/2022
6	Nzvarztri Celebrztion	Last week of September 2022
7	Khandenavami Poojan .	04/10/2022
8	Wachak Prerana Din	15/10/2022
9	Remembrance of Late Shri Rasiklalji Manikchandji Dhariwal, Former President SJVPM	24/10/2022
10	Marathi Bhasha Din	27/02/2023
11	Science Day	28/02/2023
12	Birth Anniversary of Late Shri Rasiklalji Manikchandji Dhariwal, Former President SIVPM	01/03/2023
13	Annual day and sports day celebration	First week of March 2023
14	NSS Camp	Second week of March 2023
15	Women's Day Celebration	08/03/2023
16	Farewell function of Final year B. Pharm & Annual Prize Distribution	Last week of March 2023
17	Annual magazine (Throughout Academic Year)	Release in March/April, 2023
18	GPAT Guest lecture	Throughout Academic Year
19	Participation of students in research activities, paper presentations and different inter collegiate competitions	Throughout Academic Year
20	Student Career counselling	2 Lectures/Class/Week excluding Sessional exams

MODALITIES OF SEMESTER SYSTEM (PCI PATTERN)

6.

- 1. SPPU Examination will be conducted for 75Marks/subject each for theory and 35 marks /subject for practical
- Internal sessional examination will be conducted for 30 marks for theory and will be computed for 15 marks and 40 marks for practical which will be computed for 10 marks.
- Two sessional examinations (30 marks Theory and 40 marks practical) will be conducted.
- In each semester continuous mode of internal assessment for theory 10 marks and for practical 5 marks are allocated.
- Contonous mode marks will be submitted to the university as internal assessment marks.
- If student gets failed in internalexamination due to genuine reason,he/she can give improment sessional examination..
- The academic performance/attendance report of defaulter students shall be communicated to the parents.
- Students with the certified journal will only be eligible to attend practical examination.
- Any kind of unfair means during practical/theory examination are punishable.

DISCIPLINES & CODE OF CONDUCT TO BE OBSERVED BY STUDENTS

- Ragging is strictly prohibited within/outside campus. Defaulters will be punished including expulsion from college.
- 2. Students are advice to see the Notice Board daily
- 3. Use of cell-phone in the college premises is strictly prohibited.
- Every student should wear valid college I-Card in the College and Campus premises.
- Every student has to follow all the instruction given by the respective teachers during practical hours to avoid any accidental hazard.

80% attendance in theory and practical is mandatory failing to which he/she will be detained/disallowed for continuous mode of internal assessement or Sessional/University examinations.

- Any absence for valid reason during academic Semester must be with prior permission of guardian/Class teacher and must be recorded in prescribed leave application card kept in custody of guardian teacher.
- Though dress code doesn't exist but descent attire is expected.
 Students should follow all instructions and guidelines as per Savitribai Phule Pune University, Pune norms and conditions mentioned in information brochure from time to time.





Prof. A. P. Kakde Academic In-charge

Dr. S. G. Walode Principal

PRINCIPAL Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research Chinchwad Station, Pune-411019



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A. Y. 2022-23 (Term II) & (Term-I F.Y)

Department wise Workload Distribution

w.e.f.: FY-01/01/2023, SY- 06/02/2023, TY&Final Y- 16/01/2023

Chinchwad Station, Pune-411019

Sr No	Subject Teacher	Class	Semester	Subject	Theory Hours	Tutorial	Practical Hours	Total work load	Signature	
		1	L	Pharmaceutics Depart	tment				1 10	
		Third Year	I VI	BIOPHARM	03	01		12	1 and	
1)	Dr S.H.Lakde	First Year	1	PH-1			08		LO X	
		Second year	IV	PP-II	03	01	08	16	Nov-	
2)	Mr.S.D.Rede	Final year	VIII	BIOSTAT	03	01			X	
		Second year	IV ·	PP-II			04		11	
71	Ma T A Sanda	Third Year	VI	BIO-TECH	03	01		12	1.32	
3)	MS. I.A.Salide	Final Year	VIII	*C.S	03	01				
		First Year	I	PH-1	- 03	01	08	16	100	
4)	Mr. A.P.Kakde	Third Year	VI	Q.A	03	01			17	
1000	<u> </u>	<u></u>		Pharmaceutical Chen	istry					
	1	Second Year	IV	POC-III	03	01			1. X/	
5)		First year	1	PIC			04	16	181	
	5)	Dr. M.Rudrapal	First Year	I	PA-I			04	10	12
		Final Year	VIII	*AIT	03	01			1000	
6)	Mr DV Panke	Third Year	VI	MC-III	03	01	12	16	Mot	
7)	Mrs H H Puranik	First year	I	PIC	03	01	12	16	1000	
8)	Ms PN Chhaied	Second Year	IV	MC-I	03	01	12	16		
01		First Year	1	PA-I	03	01	12	16	164	
09)	Mrs.BJ.Warude	Final Year	VIII	*AIT	03	01			PLAT	
	•			Pharmacology					£.	
10)	Dr VS Neharkar	First Year	1 1	HAP-I	03	01	16	20	X	
101		Second Year	IV	P'Col-I	03	01	-	20	- inter	
11)	Mr.R.P.Raut	Third Year	VI	P'Col-III	03	01	12		AM	
	1	Final Year	VIII	Social & Preventive	03	01			In	
12)	Dr A A Garud	Second Year	IV	P'Col-I		ing dia 🛶 dia ka	12	20	Me	
12)		First Year	1.000	RB	02		02		0	
	J	1		Pharmacognosy					10,00	
13)	Dr SP Ghode	Third Year	VI	HDT	03	01	12	16	1au	
		Second Year	IV	PCOG-I	03	01	12	20	1-110	
14)	Ms.R.C.Kolhe	First Year	I	C.S	02		02	20	1240	
15	Mrs. Trupti Pathak	First Year	I	R.M.	02			02		
	J			Allied Subjects				- 1 - 1		
2	1 States and States	Final year	VIII	Project work			12	12	1	
ctive	subject A	Mr. A. Kako cademic In-cl	le harge	hariwal Institution	Chinchwad Ghinchwad Itation, Pune-19 DU/PN/Pnarmal	P Rasiklal I	Dr. S. G. Walode RINCIPAL) e of		
				191	465/2014	armaceuti	cal Education & Re	coarch		

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Name of Department: Pharmacognosy

TEACHING PLAN

ACADEMIC YEAR: 2022-23 (Term II) CLASS (SEM): Third Yr. (VI)

SUBJECT: Herbal Drug technology FACULTY NAME: Dr. S. P. Ghode

Lect. No	Unit No	No. of Prescribe d Hrs	Subtopic & Contents Planned	Planned Dates	Dates of execution	Observed by Aca. In-charge									
1.		n se ne s et s (M	Herbs as Raw Material: Definition of herb, herbal medicine, herbal medicinal product,	16/01/2023	16/123										
2.		a(5/0	herbal drug preparation Source of Herbs Selection,	17/01/2023	17/1/23										
3.	3	dette	identification and authentication of herbal materials Processing of herbal raw material	18/01/2023	18/1/23										
4.		81218	1-10	Biodynamic Agriculture: Good agricultural practices in cultivation of medicinal plants including Organic farming.	20/01/2023	20/1/23									
5.			Pest and Pest management in medicinal plants	24/01/2023	23/1/23										
6.			Biopesticides/Bioinsecticides.	25/01/2023	241,123										
7.		Estel	23/01	Estel Selet	15/23	Indian Systems of Medicine: a) Basic principles involved in Ayurveda,	27/01/2023	25/1/23							
8.		1000 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	Siddha, Unani and Homeopathy.	30/01/2023	27/1/23										
9.		2 2/2	b) Preparation and standardization of Ayurvedic formulations viz Aristas and Asawas,	31/01/2023	30/1/23	31_									
10.		52/2/	Ghutika,Churna, Lehya and Bhasma	01/02/2023	1/2/23										
11.		2012	Class Test	03/02/2023	3/2/23										
12.		12/21	Nutraceuticals: General aspects, Market, growth, scope and types of products available in the market	06/02/2023	6/2/23										
13.		2 e/g	Health benefits and role of Nutraceuticals in ailments like Diabetes, CVS diseases, Cancer.	07/02/2023	F12123	5									
14.		125	Irritable bowel syndrome and various Gastro intestinal diseases.	13/02/2023	13/2/23										
15.	II	07	07	07	07	07	07	07	07	07	07	Study of following herbs as health food: Alfaalfa, Chicory, Ginger,	04/02/2023	14/2/23	
16.		201	Fenugreek, Garlic, Honey, Amla, Ginseng, Ashwagandha, Spirulina, Ginseng, Garlic	15/02/2023	15/2/23										
17.		1/23	Herbal-Drug and Herb-Food Interactions: General introduction to interaction and wad classification	20)02/2023	2012/23										

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oved	By P	CI, A	ICTE Ne	w Delhi, DTE (PH-6823) & Affiliated to Savisite	acy (B.P	'harm.)]	ic straigne	10	
	105		Corres of the second	Study of following drugs and the	Phule P	une Unive	rsity (PU/I	PN/Phar	m/448/20
	18.			possible side effects and interactions: Hypercium, kava-kava, Ginkobiloba, Pepper & Ephedra	T	21/02/20	023 21	2/23	\square
1	9.		che Che	Herbal Cosmetics: Sources and description of raw materials of herbal origin used via, fixed oils, waxes		22/02/20	23 22/1	2/23	
2	0.			perfumes, protective agents, bleaching agents,	3	24/02/20	23 24	2/23	
2	1.	-	12.5	antioxidants in products such as skin ca	are,	27/02/202	23 241	2/23	
	-		10	Oral hygiene products	2	28/02/202	23 24/2	123	10.
23	· ·	III	184	Significance of substances of natural ori as excipients – colorants, sweeteners,	gin	1/03/2023	3 27/2	2/23	0
25.			8 - 1	disintegrants, flavors & perfumes. Herbal formulations : Community	e	5/03/2023	28/	2 123	
26.			511	formulations like syrups, mixtures Tablets and Novel dosage forms like	al 1(0/03/2023	1/3	23	
27.			1:12	phytosomes	13	3/03/2023	1/3/	23	
20	14			Guilis, colours	20	/03/2023	6/3/	123	
20.		-	120	Hair care drug and products	27.	/03/2023	10/3,	123	
0.				Evaluation of Drugs WHO	28/	/03/2023	20/3/	23	
-				Stability testing of herbal drugs.	31/	03/2023	27/3/	23	
1.				ICH guidelines for the assessment of herbal drugs	3/0	04/2023	28/3/	23	
2.	IV		10	natural products: a) Definition of the terms: Patent	5/0	4/2023	28/31	23	
-	IV		10	IPR, Farmers right, Breeder's right, Bioprospecting and Biopiracy	10/0	4/2023	31/3/	23	
-				Knowledge and Natural Products	11/0	4/2023	3118/2	3	
-				Case study of Curcuma & Neem. Regulatory Issues - Regulations in the t	12/04	4/2023	3/4/23	3	
				(ASU DTAB, ASU DCC) Regulation of manufacture of ASU drive	17/04	4/2023	3/4/2	3	n
-			() 	Schedule Z of Drugs	18/04	/2023	5/4/23		
				General Introduct	19/04	/2023	5/4/23		
	v		-1-	Herbal drugs industry: Present scope and	24/04/	/2023 1	014/23	; /	-

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			ane oniversity	(FO/FIV/Pharm	/448/2014)
41.		institutions involved in work on medicinal and aromatic plants in	26/04/2023	11/4/23	-
42.	7	Schedule T – Good Manufacturing Practice of Indian systems of medicine Components of GMP (Schedule – T) and its objectives	01/05/2023	12/4/23	
43.		Infrastructural requirements, working space, storage area, machinery and equipments,	02/05/2023	17/4/23	
44.		standard operating procedures, health and hygiene,	03/05/2023	18/4/173	-
45.		Documentation and records.	03/05/2023	8/5/23	

Particulars	Subject Teacher	HOD	Academic in-charge	Principal
Name	Dr.S. P. Ghade	- Dr. S. P. Ghode	Dr. S. P. Ghode	Dr. S. G. Walode
Signature	All.	all	All	10
Remark	Completed	completed	Completed.	PRINCIPAL Pasiklal M. Dhariwal Instit

Pharmaceutical Education & Research Chinchwad Station, Pune-411019



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Name of Department: Pharmacognosy

TEACHING PLAN- PRACTICAL

ACADEMIC YEAR: 2022-23 (Term II) CLASS (SEM): Third Yr. (VI)

SUBJECT: Herbal Drug technology FACULTY NAME: Dr. S. P. Ghode

Pra. No.	Subtopic & Contents Planned	Planned Dates	Dates of execution	Observed by Aca. In- charge
	Introduction of general tests for preliminary phytochemical	A-15/1/2023	A-16/1/2023	_
1.	screening of crude drugs	B-19/1/2023	B-19/1/2023	
	servering of erude drugs.	C-17/1/2023	C-17/1/2023	
LACT.	A-2/5/2023 A-5/5/2023	A-23/1/2023	A-25/1/2023	
2.	To determine the alcohol content of Asava and Arishta	B-26/1/2023	B-26/1/2023	at 13.
	C-9/7/2023 C-9/3/2023	C-24/1/2023	C-24/1/2023	
	A. EOH. 2023 A. EOH. 2023 A. EOK. 2023	A-30/1/2023	A-1/2/2023	-
3.	EXCIPIENT	B-02/2/2023	B-02/2/2023	a la
	C-118/12023 C-9/5/2023	C-31/1/2023	C-31/1/2023	$ \square$
	A-17/5/0023 A-17/5/2023	A-6/2/2023	A-15/2/2023	120
4.	To prepare and evaluate the herbal cold cream.	B-9/2/2023	B-9/2/2023	199
	C-16/52/2023 C-16/52/2023	C-7/2/2023	C-7/2/2023	
		A-22/2/2023	A-22/2/2023	
5.	CHURNA	B-16/2/2023	B-16/2/2023	
		C-14/2/2023	C-14/2/2023	
	To study analysis of harbol drugs management from assent	A-13/2/2023	A-15/3/2023	
6.	To study analysis of neroal drugs monograph from recent	B-16/2/2023	B-23/2/2023	
	pnarmacopoetas.	C-14//2023	C-21/2/2023	Seejee
am, 74 Intiinal Inti	A HEMRES REAL PROVIDENCE REAL PROVIDENCE	A-20/2/2023	A-22/3/2023	
7.	REFRACTIVE INDEX	B-23/2/2023	B-9/3/2023	
		C-21/2/2023	C-14/3/2023	
		A-27/2/2023	A-5/4/2023	
8.	ACID VALUE	B-2/3/2023	B-16/3/2023	
		C-28/2/2023	C-21/3/2023	
	vinte of Pharman	A-6/3/2023	A-5/4/2023	
9.	To determine total alkaloids in plant extracts. China	B-9/3/2023	B-23/3/2023	
	(Station, Pune-19) (Station, Pun	C-7/3/2023	C-28/3/2023	
	12 4014 13	New York		

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10.	To prepare and evaluate skin lightening lotion containing standardized Liquorice extract.	A-12/4/2023 B-30/3/2023 C-4/4/2023	A-12/4/2023 B-30/3/2023 C-4/4/2023	
11.	To prepare, evaluate the herbal powder shampoo.	A-13/3/2023 B-16/3/2023 C-14/3/2023	A-12/4/2023 B-6/4/2023 C-11/4/2023	
12.	To prepare and evaluate Senna syrup.	A20/3/2023 B-23/3/2023 C-21/3/2023	A-3/5/2023 B-13/4/2023 C-2/5/2023	
13.	To determine Aldehyde content in volatile oil.	A-3/5/2023 B-27/4/2023 C-9/5/2023	A-3/5/2023 B-27/4/2023 C-9/5/2023	
14.	To prepare and evaluate the granules prepared for tablet	A-10/4/2023 B-13/3/2023 C-11/4/2023	A-10/5/2023 B-4/5/2023 C-9/5/2023	× × 3
15.	To prepare and evaluate the tablets prepared from granules.	A-17/5/2023 B-11/5/2023 C-16/5/2023	A-17/5/2023 B-11/5/2023 C-16/5/2023	07

Principa Subject Teacher HOD Academic in-charge PN **WCPAL** Dr.S.P. Ghode Dars. P. Ghode Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research Chinchwad Station, Pune-411019

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune-19

Course Outcomes of Subject

A. Y. 2022-23 (Term II) Year (SEM): Third Year (SEM VI)

Name of Faculty: Dr, S. P. Ghode Subject: Herbal Drug Technology (T)

Course outcome code: CO BP 603 T

Statement

The students should be able to

A STATE OF A	
CO BP 603 T 1	Understand the fundamental concepts of herbal raw materials and biodynamic agriculture techniques.
CO BP 603 T 2	Assess the knowledge for evaluation and preparation of herbal formulations.
CO BP 603 T 3	Comprehend the concept of Nutraceutical and herbal food interactions.
CO BP 603 T 4	Articulate the regulatory guidelines for the assessment of herbal drugs and patenting.
CO BP 603 T 5	Illustrate the scope and future prospects of the herbal drug industry.
CO BP 603 T 6	Know the WHO and ICH guidelines for evaluation of herbal drugs

Code CO BP 603 T is the Course code for Herbal Drug Technology (T) subject and points CO BP 603 T 1 to CO BP 603 T 6 are the outcomes of this course.

Subject Incharge

HOD

Academic In charge



Principal

Rasikial M. Dhariwal Institute of Pharmaceutical Education & Research Chinchwad Station, Pune-411019

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NAAC Accredited with A+ (CGPA - 3.46)

SYLLABUS DECLARATION

ACADEMIC YEAR: 2022-23 (TERM II)

SUBJECT: Herbal drug Technology

CLASS (SEM): TY (SEM VI)

FACULTY NAME: Dr. S. P. Ghode

EXAM: Ist Sessional 15/03/203

Syllab	us/ Topics	Signature of
Theory	Practical	teacher
Unit I: Indian Systems of Medicine	Introduction of general tests for preliminary phytochemical screening of crude drugs.	
Unit II: Neutraceuticals	To perform the confirmatory chemical tests for organized and Unorganized crude drugs.	nit is Block and
	To prepare and evaluate Senna syrup.	
Jnit II: Neutraceuticals Jnit II: Herbal-Drug and Herb-Food nteractions	To prepare and evaluate Senna mixture.	Ble
Interactions	To prepare and evaluate the herbal cold cream.	e cobei istra
Unit III: Herbal Cosmetics Herbal formulations	To prepare, evaluate the herbal powder shampoo.	D - T oluboli al o ocitor



Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019. Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com ।। पत्रमं लागं तभी लाग ।।

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NAAC Accredited with A+ (CGPA - 3.46)

SYLLABUS DECLARATION

ACADEMIC YEAR: 2022-23 (TERM II)

SUBJECT: Herbal Drug Technology

CLASS (SEM): TY (SEM VI)

EXAM: IInd Sessional 26/04/2023

FACULTY NAME: Dr. S. P. Ghode

Sylla	bus/ Topics	G' / A
Theory	Practical	subject teacher
Unit I: Herbs as raw materials	To prepare, evaluate the herbal face pack.	~
Unit I: Biodynamic Agriculture	To prepare and evaluate skin lightening lotion containing standardized Liquorice extract.	
Unit IV: Evaluation of Drugs WHO & ICH guidelines	To prepare and evaluate standardized extract of Reetha (Sapindus mukorosii) fruit.	ude ti ti teril
Unit I: General Introduction to Herbal Industry Schedule T – Good Manufacturing	To prepare and evaluate Herbal Shampoob containing standardized extract of Reetha (Sapindus mukorosii) fruit.	
Practice of Indian systems of medicine	To prepare and evaluate cough syrup containing standardized Liquorice extract To determine the alcohol content of Asava and Arishta	all
NG Far	To determine Aldehyde content in volatile oil.	
	To determine total alkaloids in plant extracts.	
PRINCIPAL	To study analysis of herbal drugs monograph from recent pharmacopoeias.	A (

Academic coordinator

Principat AL

Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research Chinchwad Station, Pune-411019

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019. Ph.: 020-27459191 Fax No. 020 - 27354633 | Email : rmdiper@gmail.com

11 प्रवर्ध सार्फ करते लगा ।



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SYLLABUS COMPLETION REPORT (2018/19 Pattern) (2022-2023)

ACADEMIC YEAR: 2022-23 (TERM II)

SUBJECT: Herbal Drug Technology

CLASS (SEM): TY (SEM VI)

FACULTY NAME: Dr. S. P. Ghode

Sr. no.	Name of Topic Covered (Theory)	Remarks	Sr. no.	Name of Topic Covered (Practical)	Remark
1	Unit I: Herbs as raw materials. Biodynamic Agriculture, Indian Systems of Medicine	R.	1.	Introduction of general tests for preliminary phytochemical screening of crude drugs.	
2	Unit II: Neutraceuticals, Herbal-Drug and Herb-Food Interactions,		2.	To perform the confirmatory chemical tests for organized and Unorganized crude drugs.	l.
3	Unit III: Herbal Cosmetics, Herbal excipients, Herbal formulations	5	3.	To prepare and evaluate Senna syrup.	\int
4	Unit IV: Evaluation of Drugs WHO & ICH guidelines for the assessment of herbal drugs Stability testing of herbal drugs, Patenting and Regulatory requirements of natural products, Regulatory Issues	Se P	ER 4.	To prepare and evaluate Senna mixture.	mplete
5	Unit V: General Introduction to Herbal Industry, Schedule T – Good		5.	To prepare and evaluate the herbal cold cream.	
	Manufacturing Practice of Indian systems of medicine	5 मृतर	36	To prepare, evaluate the herbal powder shampoo.	1
	NU		7.	To prepare, evaluate the herbal face pack.	
	Protect Protect Protect Protect		8.	To prepare and evaluate skin lightening lotion containing standardized Liquorice extract.	
	the Station Chinchwa	and control of	9.	To prepare and evaluate standardized extract of Reetha (Sapindus mukorosii) fruit.	
	E PU/PN/Pharn 405/2014	ducalion .	10.	To prepare and evaluate Herbal Shampoob containing standardized extract of Reetha (Sapindus mukorosii) fruit.	J

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		11.	To prepare and evaluate cough syrup containing standardized Liquorice extract	
COULDEST Partners) (2022-2022) BLECT: Horize tring Trefstelacy	18	12.	To determine the alcohol content of Asava and Arishta	uplet
CULTY NAME Dr. S. P. Glado	E.	13.	To determine Aldehyde content in volatile oil.	\rangle
b St. Plane of Tanie Covered	⁶⁶⁷⁸ (1	14	To determine total alkaloids in plant extracts.	ì
	R	15	To study analysis of herbal drugs monograph from recent pharmacopoeias.	

Status of Sessional Examination

Sessional Examination (Theory)	and the second second second	ination (Practic	ctical)		
Sessional Examination (1200-5)	Batch	A	В	C	
1 st Sessional, Date: 15/03/2023	Date	01/03/2023	02/03/2023	04/03/2023	
2 nd Sessional Date: 26/04/2023	Date	19/04/2023	20/04/2023	18/04/2023	

Pharmar 100 Principal Chinchwad Station, Pune-19 Subject Teacher Ohariwa/ PRINCIPAL PU/PN/Pharmal Rasiklai M. Dhariwal Institute of 465/2014 Fourmaceutical Education & Research Cninchwad Station, Pune-411019 Elvisey & you

Question Bank

Subject: Herbal Drug Technology

1. Define Herb, Herbal medicine, Herbal medicinal product, herbal drug preparation.

2. Write a note on selection, identification, authentication and processing methods of herbal material.

3. Write a note on Pest & pest control method or Biopesticides / Bioinsecticides OR Organic farming

4. Define Asava and Aristha. Write common method of preparation of them. How preparation of Arista differs from Asavas and why? Describe parametaers for standardization of Asavas and Arista. What are advantages and disadvantages of these formulations over other formulations?

5. Write note on – Teachers of Ayurveda. OR Describe the basic concepts of Indian system of medicine and Tridosh theory.

6. What is Bhasma? Describe in detail method of preparation of Bhasma.

Describe quality control parameters (Standardization) churna. Describe general procedure for standardization of churna as per Ayurvedic Pharmacopoeia of India. Describe advantages and disadvantages of churna as a formulation.

8. Write a note on skin care herbal cosmetics & Hair care herbal cosmetics with examples. OR Write a note on Sources and description of raw materials of herbal origin used via, fixed oils, waxes, gums colours, perfumes, protective agents, bleaching agents, antioxidants in products such as skin care, hair care and oral hygiene products.

9. Write about preparation and evaluation of Herbal formulations Syrups Mixtures Tablet Phytosomes

10. Write a note on herbal excipients.

11. Write a note on Evaluation of drugs, Explain the role WHO & ICH guidelines for the assessment of herbal drugs.

12. Write a note on Patenting and Regulatory requirements of natural products.

13. Write about ASU DTAB, ASU DCC Regulations in India

14. Write note on Stability testing of herbal drugs

15. Write details of GMP in herbal drug industry

16. Write a note on scope & future prospects of herbal drug industry

17. Write in detail about plant based industries and institutions involved in work on medicinal and aromatic plants in India.

18. Write detailed requirements of basic infrastructure, staff and specialized equipment requirements of herbal drug industry. – Infrastructure requirements – Working space – Storage area – Machinery and equipments – Documentation & Record

19. Define the terms 'Nutraceuticals' and 'Functional foods'. Classify various nutraceuticals and explain their health benefits. (Dietary fibres, Antioxidants, Poly Unsaturated Fatty Acids, Polyphenols, Prebiotics and Probiotics, Carotenoids etc.) OR Write a note on Health benefits and role of Nutraceuticals in different ailments. – Diabetes – CVS diseases – Cancer – Irritable bowel syndrome – Gastro intestinal diseases

20. Write about General aspects, Market, growth, scope and types of products available in the Nutraceuticals market.

21. Write a note on herbs as health food. – Alfaalfa – Chicory – Ginger – Fenugreek – Garlic – Honey – Amla – Ginseng – Ashwagandha – Spirulina

22. Write a note on herb drug and herb food interaction and its classification. Explain the following drugs, their possible side effects and interactions Hypercium, kava-kava, Ginkobiloba, Ginseng, Garlic, Pepper & Ephedra

23. Define the following terms: Patent, IPR, Farmers right, Breeder's right, Bio prospecting and Bio piracy. 24. Write about Patenting aspects of Traditional Knowledge and Natural Products.

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First Sessional Theory Examination 2022-2023 (TERM II)

(2019 Pattern)

Subject with code: Herbal Drug Technology (BP 603 T) Class: Third Year B. Pharmacy (SEM VI) Marks: 30 Time: 1Hr. 30 Min. Date: 15/03/2023 (Wednesday)

- Q. 1: Answer the following (2 marks each)
- 1. Write the difference between Asava and Arishta.
- 2. Write the B.S. C.C. and uses of Alfaalfa and Chicory.
- 3. Define herb, herbal medicine, herbal medicinal product
- 4. Define Herbal Neutraceuticals with some examples of herbs as Neutraceuticals.
- 5. What is the theory behind Tridosha.

Q.2: Answer the following (Any one) (10 marks)

- 1. Discuss the health benefits and role of Neutraceuticals in Diabetes, CVS diseases and Cancer.
- 2. Classify the Ayurvedic Dosage forms with the method of preparation and evaluation of Ghutika, Lehya and Bhasma.

Q.3: Answer the following (Any two) (5 marks each)

- 1. How the processing of Herbal raw material is done?
- 2. Write a note on Organic farming.
- 3. Discuss the side effects and interactions of Ginseng and Hypericum.

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First Sessional Theory Examination 2022-2023 (TERM II)

(2019 Pattern)

Subject with code: Herbal Drug Technology (BP 603 T) Class: Third Year B. Pharmacy (SEM VI) Time: 1Hr. 30 Min. Date: 15/03/2023 (Wednesday)

Marks: 30

- R. 1: Answer the following (2 marks each)
- 1. Write the difference between Asava and Arishta.
- 2. Write the B.S. C.C. and uses of Alfaalfa and Chicory.
- 3. Define herb, herbal medicine, herbal medicinal product
- 4. Define Herbal Neutraceuticals with some examples of herbs as Neutraceuticals.
- 5. What is the theory behind Tridosha.

Q.2: Answer the following (Any one) (10 marks)

- 1. Discuss the health benefits and role of Neutraceuticals in Diabetes, CVS diseases and Cancer.
- 2. Classify the Ayurvedic Dosage forms with the method of preparation and evaluation of Ghutika, Lehya and Bhasma.

Q.3: Answer the following (Any two) (5 marks each)

- 1. How the processing of Herbal raw material is done?
- 2. Write a note on Organic farming.
- 3. Discuss the side effects and interactions of Ginseng and Hypericum.



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First Sessional Practical Examination 2022-2023 (TERM II) (2019 Pattern)

Subject with code: Herbal Drug Technology (BP 609 P) Class: Third Year B. Pharmacy, (SEM VI) Date: A-01/03/2023, B-02/03/2023, C-04/03/2023

Time: 1.30 to 4.30 PM Marks: 40

ВАТСН А

Q. 1: Synopsis (10 marks)

- 1. Write the difference, definition, method of preparation and evaluation of asawa and arishta.
- 2. Write B.S., C.C. and uses of hypericum, kava-kava and gingkobiloba.

Q.2: Major Expt. Question (15 marks)

To determine ash value for the given unknown sample of crude drug.

Q.3: Minor Expt. Question (10 marks)

To determine Refractive index for the given unknown sample of crude drug.

Q.4: Viva Voce (05 mars)

BATCH B

Q. 1: Synopsis (10 marks)

- 1. Write B.S., C.C. and uses of Garlic, pepper and ephedra.
- 2. Write the preparation and standardization of Churna.

Q.2: Major Expt. Question (15 marks)

To determine the extractive value of the given unknown sample of crude drug.

Q.3: Minor Expt. Question (10 marks)

To analyze the drug with the help of chemical test.

Q.4: Viva Voce (05 marks)

BATCH C

Q. 1: Synopsis (10 marks)

- 1. Write B.S., C.C. and uses of Spirulina, Chicory and hypericum.
- 2. Write the preparation and standardization of Bhasma.

Q.2: Major Expt. Question (15 marks)

To analyze the drug with the help of chemical test.

Q.3: Minor Expt. Question (10 marks)

To determine Refractive index for the given unknown sample of crude drug.

Q.4: Viva Voce (05 marks)



Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune

Second Sessional Theory Examination 2022-2023 (TERM II) (2019 Pattern)

Time: 1Hr. 30 Min. Date: 26/04/2023 (Wednesday)

Subject with code: Herbal Drug Technology (BP 603T) Class: Third Year B. Pharmacy (SEM VI) Marks: 30

Q. 1: Answer the following (2 marks each)

- 1. Define Patent and IPR.
- 2. What is SOP and write its importance in schedule T.
- 3. Write the 2 examples of each natural binders, sweeteners, colorants and diluents.
- 4. Mention the significance of Ash value and Extractive value.
- 5. Write the definition and principle of Refractive index.

Q.2: Answer the following (Any one) (10 marks)

- 1. Explain in detail WHO and ICH guidelines for the assessment of herbal drug and stability testing of herbal drug.
- 2. Discuss the components of GMP (schedule T) and its objectives.

Q.3: Answer the following (Any two) (5 marks each)

- Explain in detail case study of Neem and Curcumin for Patenting aspects of traditional aspects and 1. traditional knowledge.
- Discuss the manufacturing process and evaluation parameters for herbal syrup. 2.
- Explain in detail about sources and description of raw materials of herbal origin used for Skin cosmetics. 3.

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Second Sessional Theory Examination 2022-2023 (TERM II)

(2019 Pattern)

Subject with code: Herbal Drug Technology (BP 603T) Class: Third Year B. Pharmacy (SEM VI) Marks: 30

Time: 1Hr. 30 Min. Date: 26/04/2023 (Wednesday)

¥ 4015928

Q. 1: Answer the following (2 marks each)

- 1. Define Patent and IPR.
- 2. What is SOP and write its importance in schedule T.
- 3. Write the 2 examples of each natural binders, sweeteners, colorants and diluents.
- 4. Mention the significance of Ash value and Extractive value.
- 5. Write the definition and principle of Refractive index.

Q.2: Answer the following (Any one) (10 marks)

- 1. Explain in detail WHO and ICH guidelines for the assessment of herbal drug and stability testing of herbal drug.
- 2. Discuss the components of GMP (Schedule T) and its objectives.

Q.3: Answer the following (Any two) (5 marks each)

- 1. Explain in detail case study of Neem and Curcumin for Patenting aspects of traditional aspects and traditional knowledge.
- 2. Discuss the manufacturing process and evaluation parameters for herbal syrup.
- 3. Explain in detail about sources and description of raw materials of herbal origin used for Skin cosmetics

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Second Sessional Practical Examination 2022-2023 (TERM II) (2019 Pattern)

(2019 Pattern)

Subject with code: Herbal Drug Technology (BP 609 P) Class: Third Year B. Pharmacy, (SEM VI) Date: A-19/04/2023, B-20/04/2023, C-18/04/2023

Time: 1.30 to 4.30 PM Marks: 40

BATCH A

Q. 1: Synopsis (10 marks)

- 1. Classify Herbal Excipients along with 2 examples of each.
- 2. Write the role of fixed oil and gums in skin care cosmetics with the example of each.

Q.2: Major Expt. Question (15 marks)

To prepare and evaluate the Herbal Shampoo/Lotion/Syrup.

Q.3: Minor Expt. Question (10 marks)

To determine ash value/Extractive value/ Refractive index for the given unknown sample of crude drug.

Q.4: Viva Voce (05 marks)

BATCH B

Q. 1: Synopsis (10 marks)

- 1. Discuss the method of preparation and evaluation of herbal syrup.
- 2. Which are the fixed oils and colorants used in herbal cosmetics? Write 5 examples of each.

Q.2: Major Expt. Question (15 marks)

To prepare and evaluate the Herbal Shampoo/Lotion/Syrup.

Q.3: Minor Expt. Question (10 marks)

To determine ash value/Extractive value/ Refractive index for the given unknown sample of crude drug.

Q.4: Viva Voce (05 marks)

BATCH C

Q. 1: Synopsis (10 marks)

- 1. What is the importance of Herbal Excipients with 2 examples of colorants and sweeteners?
- 2. Write the classification of Herbal formulation

Q.2: Major Expt. Question (15 marks)

To prepare and evaluate the Herbal Shampoo/Lotion/Syrup.

Q.3: Minor Expt. Question (10 marks)

To prepare, evaluate and submit granules for Herbal Tablet.



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Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune

Re-Sessional Theory Examination 2022-2023 (TERM II) (2019 Pattern)

Subject with code: Herbal Drug Technology (BP 603T) Class: Third Year B. Pharmacy (SEM VI)

Time: 1Hr. 30 Min. Date: 23/05/2023

Q. 1: Answer the following (2 marks each)

1. Define Patent and IPR.

Marks: 30

- 2. What is SOP and write its importance in schedule T.
- 3. Give the importance of stability testing of herbal drug.
- 4. Enlist any 5 industries based on Herbals.
- 5. Write the definition and principle of Refractive index.

Q.2: Answer the following (Any one) (10 marks)

- 1. Explain in detail WHO and ICH guidelines for the assessment of herbal drugs
- 2. Discuss the components of GMP (schedule T) and its objectives.

Q.3: Answer the following (Any two) (5 marks each)

- 1. Explain in detail case study of Neem and Curcumin for Patenting aspects of traditional aspects and traditional knowledge.
- 2. Write a note on schedule Z of Drugs and cosmetics Act for ASU Drugs.
- 3. Discuss about Bioprospecting and Biopyracy.

Shri Jain Vidya Prasarak Mandal's

Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune

Re-Sessional Theory Examination 2022-2023 (TERM II)

(2019 Pattern)

Subject with code: Herbal Drug Technology (BP 603T) Class: Third Year B. Pharmacy (SEM VI) Marks: 30 Time: 1Hr. 30 Min. Date: 23/05/2023

Q. 1: Answer the following (2 marks each)

1. Define Patent and IPR.

- 2. What is SOP and write its importance in schedule T.
- 3. Give the importance of stability testing of herbal drug.
- 4. Enlist any 5 industries based on Herbals.
- 5. Write the definition and principle of Refractive index.

Q.2: Answer the following (Any one) (10 marks)

- 1. Explain in detail WHO and ICH guidelines for the assessment of herbal drugs
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- 3. Discuss about Bioprospecting and Biopyracy.



Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of **Pharmaceutical Education & Research** [Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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Attendance and Marksheet (2019 PATTERN)

First/second Sessional Theory Examination- 2022-23										
Subje	et: HDT			·	Class: Third Year B. Pharm	and the second	1.00			
Date:	15/02/22				Semester: VI	ज -				
Roll No.	* Name of Students	Sign	Marks	Roll No.	Name of Students	Sign	Marks			
1.	Agarwal Disha Sanjay	Wigh	27	36.	Mahajan Taral Ratnakar	Carol	26			
2.	Annadate Ajay Mahavir	æ.	23	37.	Maindarge Shubham Sunil	Shubbar	-28			
3.	Bakliwal Chetan Mahavir	@1	24	38.	Mali Shashank Balaji	allall	.27			
4.	Bhajankar Leena	ant	24	39.	Maliyal Kanishka Narendra	10-11-00/19	28			
5.	Bhor Pratik Sandeep	Preside	-21	40.	Mehta Tejas Satyen	sme)	22			
6.	Bhujbal Durgesh	BL	21	41.	Mokashi Pranav Rohidas	Barrans	- 17			
7.	Birajdar Vishal Jaihind	112	27	42.	Mutha Isha Vipul	the	26			
8.	Borna Bhagayshree	R	-26	43.	Nahar Jay Prayin	Joy.	28			
9.	Chaudhary Suresh	Choud	ent 17	44.	Naram Pratik Sunil	Brasia	226			
10.	Chavan Sanika Mohan	Sour	29	45.	Pande Samiksha Vijaykumar	Ebride	28			
11.	Chobharkar Gajendrakumar	A.A.	28	46.	Parihar Shravan Jagdish	Junin.	.22			
12.	-Choudhary Rajesh	hache	3-21	47.	Pathak Ravirajan	Re	24			
13.	Choudhari Smita Sudesh	B	28	48.	Pathare Ganesh Suryabhan	Pathonelles	- 18			
14.	Choudhary Pooja Khetaram	Provohor	25	49.	Patil Harshwardhan Kisan	Fati	- 15			
15.	Choudhary Pramod	Fund	-26	50.	Patil Prathamesh Vijay	- Anti-	27			
16.	Choudhary Suresh P.	Justil	23	51.	Patil Pratik Shabhimrao	Bahil	27			
17.	Choudhary Vinod Mohanlal	Divod	24	52.	Pawar Sumedh Laxmikant	8010	24.			
18.	Chougule Diya Satish	Banougul	27	53.	Pinjarkar Bhushan Atul	BLA	- 28			
19	Choutmal Jaydeep	NA6-	-Ab-	_ 54.	Rachana Shah	Daho	-28			

Ph. No -020-27459191

ESTD : 8/9/1927

Fax No: 020 27354633/27457683

Email: rmdiper@gmail.com

Acharya AnandRushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019

।। पत्वम्ँ नाण तओ दया ॥ ¢

ESTD : 8/9/192

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research [Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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20.	Dugad Jinesh Yogesh	Dugod	20	55.	Raskar Akshata Ankush	Alaska	25
21.	Gadiya Krushikesh Santosh	By	25	56.	Ratadiya Mahima Yogesh	R	26
22.	Gandhi Preet Sameer	B	24	57.	Sanghvi Jainam Jitendra	- Ab-	-46
23.	Ghule Abhishek Sanjay	-Ab-	-Ab -	58.	Sawargave Sateweli	-A6-	Ab
24.	Guindesha Lisha Ganesh (Pudesta	26	59.	Shah Atharva Deepak	Aship	-20
25.	Habale Rohan Santosh	Eshetu	25	60.	Shah Dhruv Nilesh	phone	17 -
26.	Jagdale Shruti Vitthal	allouti	28	61.	Shinde Vaibhavlaxmi	Wehind	225
27.	Kaldate Kaustubh	Gui.	19	62.	Solanki Harsh Dalpat	Hare	29
28.	Kalyankar Samruddhi	Spinl:	29	63.	Soni Neha Santosh	for	27
29.	Kasliwal Sakshi Uday	Sculint	26	64.	Surve Sneha Vikas	Quetos	23
30.	Khan Nasimakhatoon A	Pasin	21	65.	Tambe Samruddhi Jayram	Bamb	826
31.	Khivansara Sakshi Rajendra	Fakol	26	66.	Tirthe Vaishnavi Govind	Ticth	2-25+
32.	Kote Pritam Mahavir	Thet.	25	67.	Tornekar Shivam Vijaykumar	An	24
33.	Landge Sarthak Somnath	andigo	16	68.	Waje Prajyoti Rahul	Retent	-28 -
34.	Lokesh Salvi	plent	124	69.	Yadav Shivam Vinod	etri.	26
35.	Lunkad Sakshi Nilesh	Shil	29		Service and the service	n i grace	12.

Total No. of Students: 69	Total No. of Present Students: 65	Total No. of Absent Students: 02
Sign of Supervisor 1:	Sign of Supervisor 2: 2	Sign of Subject In-charge:

 Ph. No -020-27459191
 Fax No: 020 27354633/27457683
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 Email: rmdiper@gmail.com

. बम्ं नाण तजो दया ॥

ESTD : 8/9/192

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

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Reference in the intervention of the intervention in the interventin term. In the intervention in the intervention in the inte		Attendance Sheet (201	9 PATTERN)	P	~ ~ ~	
Subject: H.D. I. Class: 19 Date: 23 105 / 2023 Semester: VI Seat No. Name of Students Sign Ma 33 handge boethak with 17: 01. Disha Agarwal Wells 2, 57 Jainam Sanghvi Hell 16 23 Gihule Abhisheli Sanjiy Lub 16 RMD PER		Resessional Theory/ practical	Examination	2022-23 (7	esmit;	
Date: 23 (05/2023 Semester: VI Seat No. Name of Students Sign Ma 33 handge boethak with 17; 01. Disha Agarwal with 2; 57 Jainam Sanghvi Heir 2 23 Ghule Abhishek banjny full 16 RMD PER	Subject: V	.D.1.	Class: 7			
Seat No. Name of Students Sign Ma 33 handge boethak (anth) 17 01. Disha Agarwal Web 2 57 Jainam Sanghvi Heim 2 23 Ghule Aphishel Sanjuy Gul 16 A A A A A A A A A A A A A A A A A A A	Date: 2	3105/2023	Semester:	VI		
33 handge Southak (anthe 17) 01. Disha Agarwal Web 2, 57 Jainam Sanghvi Hein 2 23 Gihule Abhisheli Sanjiny full 16 RMD PER	Seat No.	Name of Students		Sign	Marks	
01. Disha Agarwal new 27 57 Jainam Sanghvi State 2 23 Gihule Abhisheli Sanjiny Gul 16 RMDSPER	33	Landge Southak		(curting	17	
57 Jainam Sanghvi 2 23 Gihule Abhisheli Sanjiy Gub 16 RMD PER	01.	Disha Agarwal	litetnes.	where	25	
23 Gihule Abhisheli banjing Gul 16 RMDEPER	57	Jainam Sanghvi		fain	21	
RMDSPER S	23	Ghule Abhishel	Sanjey	lub	16	
RMDSPER S			00			
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RMD PER S						
		R I RMDY				
No lassars gring and a						
No pagaro zindata da da					16	
		1 19919 51				

Total No. of Students: DG	Total No. of Present Students: 04	Total No. of Absent Students:
Sign of Jr. Supervisor	U.	
T	Dr. S.P. Alude	

 Ph. No -020-27459191
 Fax No: 020 27354633/27457683
 Email: rmdiper@gmail.com

 Acharya AnandRushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019
 Email: rmdiper@gmail.com

	Student 7	Feacher Interac	tion Evalu	ation Sheet		
A. Y.: 2	022-23 (Term II)	Class (SEM): 7	Third Yr. (VI)	and set as	
Name o	f Subject: Herbal drug Techno	logy)		2 Holins I
Name of	f Subject Teacher: Dr. Shweta	P Ghode			19.00	
Paramet	er: Above 70%=Advanced Lea	rner	145		1. 1. 1. 1. 1. 1	Margaret 1
	Below 50%=Slow Learner					
	Between 50 to 70%=Average	e Learner				
Roll No	Name of Student	First In- Sem /Sessional Exam	End Sem. Examof last Sem	Student Teacher Interaction	Total %	Inference
		25%	25%			
1	Agarwal Disha Sanjay	23	21	37	80	Advanced
2	Annadate Ajay Mahavir	19	21	33	73	Advanced
3	Bakliwal Chetan Mahavir	20	16	25	61	Average
4	Bhajankar Leena C	20	18	31	69	Average
5	Bhor Pratik Sandeep	18	18	30	66	Average
6	Bhujbal Durgesh Dattatraya	18	18	33	69	Average
7	Birajdar Vishal Jaihind	23	20	34	76	Advanced
8	Borna Bhagayshree N	22	17	33	72	Advanced
9	Chaudhary Suresh S	14	19	31	64	Average
10	Chavan Sanika Mohan	24	18	33	76	Advanced
11	Chobharkar Gajendrakumar	23	20	29	72	Average
12	Choudhary Rajesh G	18	20	33	70	Advanced
13	Choudhari Smita Sudesh	23	18	30	72	Advanced
14	Choudhary Pooja Khetaram	21	19	33	72	Advanced
15	Choudhary Pramod D	22	17	31	70	Average
16	Choudhary Suresh P	19	19	31	69	Average
17	Choudhary Vinod Mohanlal	20	19	31	70	Advanced
18	Chougule Diya Satish	23	19	28	69	Average
19	Choutmal Jaydeep G	AB	19	26	45	Average
20	Dugad Jinesh Yogesh	17	18	47	81	Advanced
21	Gadiya Krushikesh Santosh	21	17	28	66	Average
22	Gandhi Preet Sameer	20	19	27	66	Average
23	Ghule Abhishek Sanjay	13	16	34	63	Average
24	Guindesha Lisha Ganesh	22	19	28	68	Average
25	Habale Rohan Santosh	21	19	28	67	Average
26 .	Jagdale Shruti Vitthal	23	19	28	70	Advanced
27	Kaldate Kaustubh	pharmaceulics	19	29	63	Average
28	Kalyankar Samruddhi M	24	18	28	71	Advanced

29	Kasliwal Sakshi Uday	22	18	29	68	Average
30	Khan Nasimakhatoon A	18	18	31	67	Average
31	Khivansara Sakshi Rajendra	22	16	27	65	Average
32	Kote Pritam Mahavir	21	19	30	69	Average
33	Landge Sarthak Somnath	13	17	27	58	Average
34	Lokesh Salvi	20	18	30	68	Average
35	Lunkad Sakshi Nilesh	24	19	29	72	Advanced
36	Mahajan Taral Ratnakar	22	20	30	72	Advanced
37	Maindarge Shubham Sunil	23	18	26	67	Average
38	Mali Shashank Balaji	23	20	31	74	Advanced
39	Maliyal Kanishka Narendra	23	20	28	71	Advanced
40	Mehta Tejas Satyen	18	18	31	68	Average
41	Mokashi Pranav Rohidas	14	19	29	62	Average
42	Mutha Isha Vipul	2,2	19	30	71	Advanced
43	Nahar Jay Pravin	23	21	31	76	Advanced
44	Naram Pratik Sunil	22	17	27	66	Average
45	Pande Samiksha V	23	19	33	75	Advanced
46	Parihar Shravan Jagdish	18	19	31	68	Average
47	Pathak Ravirajan R	20	18	29	67	Average
48	Pathare Ganesh Suryabhan	15	20	31	66	Average
49	Patil Harshwardhan Kisan	13	19	30	61	Average
50	Patil Prathamesh Vijay	23	16	30	68	Average
51	Patil Pratiksha Bhimrao	23	16	48	86	Advanced
52	Pawar Sumedh Laxmikant	20	18	26	64	Average
53	Pinjarkar Bhushan Atul	23	18	29	71	Advanced
54	Rachana Shah	23	18	26	67	Average
55	Raskar Akshata Ankush	21	18	47	86	Advanced
56	Ratadiya Mahima Yogesh	22	18	46	85	Advanced
57	Sanghvi Jainam Jitendra	18	19	29	66	Average
58	Sawargave Sateweli S	AB	17	27	44	Average
59	Shah Atharva Deepak	17	18	28	62	Average
60	Shah Dhruv Nilesh	14	17	28	59	Average
61	Shinde Vaibhavlaxmi D	21	16	26	63	Average
62	Solanki Harsh Dalpat	24	18	28	70	Advanced
63	Soni Neha Santosh	23	17	26	66	Average
64	Surve Sneha Vikas	19	18	29	66	Average
65	Tambe Samruddhi Jayram	22	18	28	67	Average
66	Tirthe Vaishnavi Govind	21	19	27	67	Average
67	Tornekar Shivam V	20	18	28	66	Average
68	Waje Prajyoti Rahul	23	18	27	68	Average
69	Yadav Shivam Vinod	22narmac	18	31	71	Advanced

Name and Signature of Subject Teacher: Dr.S. f. Glude

Chinchwad Station, Pune-19 PU/PN/Pharma/ 465/2014 Education & Rec

PRINCIPAL Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

Rasiklal M Dhariwal Institute of Pharmaceutical Education & Research, Chinchwad, Pune-19

SLOW AND ADVANCED LEARNER A. Y. 2022-23 (TERM II)

Class: Third Year (SEM VI)

Subject: Herbal drug Technology

ADVANCED LEARNER

Roll. No.	Name of the students	Remedial Measures
1	Agarwal Disha Sanjay	
2	Annadate Ajay Mahavir	
7	Birajdar Vishal Jaihind	Motivated for the participation in Poster presentation
8	Borna Bhagayshree N	,Research project,
10	Chavan Sanika Mohan	Model making, technical quizzes to develop analytical and
12	Choudhary Rajesh G	problem-solving abilities
13	Choudhari Smita Sudesh	
14	Choudhary Pooja Khetaram	
17	Choudhary Vinod Mohanlal	Promoted for opportunities to develop their creativity by
20	Dugad Jinesh Yogesh	participating extracurricular activities and for Research
26	Jagdale Shruti Vitthal	Paper publication, Encoraged to participate in group
28	Kalyankar Samruddhi M	discussions
35	Lunkad Sakshi Nilesh	
36	Mahajan Taral Ratnakar	
38	Mali Shashank Balaji	
39	Maliyal Kanishka Narendra	
42	Mutha Isha Vipul	
43	Nahar Jay Pravin	Guided for competitive exams like GPAT, also for
45	Pande Samiksha V	Research paper publications,
51	Patil Pratiksha Bhimrao	Paper and Poster presentation
53	Pinjarkar Bhushan Atul	
55	Raskar Akshata Ankush	
56	Ratadiya Mahima Yogesh	
62	Solanki Harsh Dalpat	
69	Yadav Shivam Vinod	
		SLOW LEARNER
19	Choutmal Jaydeep G	Conducted Assignments to enhance self-learning, provided Question bank, Upload videos and recorded lectures for
58	Sawargave Sateweli S	Phatmaceulica better understanding
	All les	Chinchwad 19 Station Prime 19 Station Prime 19

* Rasikla

Do.S.P-Glud

PRINCIPAL Rasiklal M. Dhariwal Institute of Fharmaceutical Education & Research Chinchwad Station, Puge 411010



Shri Jain VidyaPrasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research [Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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01/07/2022

NOTICE

All the staff are hereby informed that, following are the mentors are assigned to the respective mentees for the A. Y. 2022-23.

Kindly note.

Sr. No.	Name of Member	Year	Batch	Roll No.	Signature
1	Mr. Anand P. Kakde		A	1 - 21	A
2	Dr. Sameer H. Lakde		В	22 - 42	Bolan
3	Dr. Shweta P. Ghode	F. Y.	С	43 - 63	All
4	Mr. Raghunath P. Raut		D	64 - 84	Sulle3.
5	Ms. Rohini Kolhe		E	85 - 105	ZIh
6	Ms. B. J. Warude		A	1 - 22	Bhini
7	Mr. Dhiraj V. Panke	S. Y.	В	23 - 45	Geto
8	Dr. Aniket A. Garud	100	С	46 - 68	Pes
9	Dr. M.Rudrapal	and the second second	A	1 - 23	Fr
10	Dr. Vishnu S. Neharkar	T. Y.	B	24 - 46	AF
11	Ms. P. N. Chhajed	inte	С	47 - 69	Charles
12	Ms. Tejashri A. Sande	Solding.	Α	1 - 22	H.
13	Mr. Sachin D. Rede	Final Y.	В	23 - 44	Aur
14	Ms. H. H. Puranik		С	45 - 66	Hryp

Mr. Anand P. Kakde Academic In- charge



Dr. S. G. Walode PRINCIPAL Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research Chinchwad Station, Pune-411019

Ph. No -020-27459191 Fax No: 020 27354633/27457683 Email: rmdiper@gmail.com Acharya AnandRushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019 ।। पढम् नाण सओ दवा ।।



Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research [Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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Ref:

Date :

First Year.B.PHARM (2022-23) List Of Student With Respective Mentor

CLASS TEACHER: Mr.A.P.Kakde

Mentor of	A Batch : Mr.A.P.Kakde
Roll No	Name of the students
1.	Ambhore Vrushabh Mahavir
2.	Auti Kaushal Nilesh
3.	Badjate Sujal Nilesh
4.	Bafna Hitisha Pravin
5.	Bafna Riddhi Manoj
6.	Balkunde Swapnil Kerba
7.	Barne Om Sanjay
8.	Bebale Jyoti Ramesh
9.	Bedkute Ashutosh Madhukar
10.	Belwate Prathmesh Chandrakant
11.	Bhandari Aditya Sheetalkumar
12.	Bhandari Harsh Sandip
13.	Bhandari Samyak Pravinkumar
14.	Bora Arya Ashok
15.	Chankeshwara Purva Rajendra
16.	Chauhan Abhishek Mukesh
17.	Chhallani Ayush Ajay
18.	Choudhary Dinesh Pemaram
19.	Choudhary Ushakumari Chatararam
20.	Dabi Atharva Kiran
21.	Dahale Chaitrali Ramesh

Mentor of B Batch: Dr S.H.Lakde					
Roll No	Name of the students				
22.	Dambre Mrunal Dadarao				
23.	Devdhare Arihant Arun				
24.	Dhakane Tejaswini Balu				
25.	Dharamkhele Anushka Satish				
26.	Dobhada Aishwarya Chandrashekhar				
27.	Doshi Nandini Pritam				
28.	Fand Shantanu Laxman				
29.	Furade Kaushal Bapu				
30.	Gandhi Ishita Sachin				
31.	Gandhi Sanjana Shital				
32.	Gandhi Tanmay Rajesh				
33.	Gangawane Aryan Vasant				
34.	Ghadage Pranali Sujit				
35.	Gugale Devendra Dilip				
36.	Harpude Utkarsha Dattatray				
37.	Jadhav Roshan Rajendra				
38.	Jain Yash Vijay				
39.	Kadam Rutuja Vishnu				
40.	Kamble Suyog Kishor				
41.	Kasar Aboli Sandip				
42.	Kashid Sakshi Sagar				



Acharya AnandRushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019

।। पढम्ं नाण तजो दया ।।

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



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Ref:

Date :

First Year.B.PHARM (2022-23) List Of Student With Respective Mentor

Mentor of	C Batch: Dr S.P.Ghode
Roll No	Name of the students
43.	Kaswa Rohan Rajesh
44.	Kavthe Ranjit Dipak
45.	Khanak Devansh Sanjay
46.	Khandekar Rohit Ramrao
47.	Kharat Nikita Bapu
48.	Khiste Krishna Prabhakarrao
49.	Khot Adarsh Sanjay
50.	Kothari Divya Lalit
51.	Kothari Shravani Vikas
52.	Kothekar Sakshi Santosh
53.	Kudale Varad Vaibhav
54.	Kumavat Leena Kishor
55.	Kunkulol Chaitanya Dinesh
56.	Kure Yashraj Popat
57.	Masute Priyash Prakash
58.	Mhalaskar Samruddhi Sanjay
59.	More Priyanka Ashok
60.	More Sailee Anil
61.	Munot Pratik Madanlal
62.	Nahar Devanshu Sanjay
63.	Nahar Eshaan Deepak

Mentor of	D Batch: Mr R.P.Raut
Roll No	Name of the students
64	Nanavare Pranit Sanjay
65	Nikam Janhvi Vilas
66	Nikam Pranjali Shantaram
67	Pagade Srushti Jaysing
68	Pagale Karan Gorakh
69	Pagariya Harshal Mahendra
70	Patil Akilesh Anil
71	Patil Harshal Satish
72	Patil Hemangi Mahendra
73	Patil Sakshi Sunil
74	Patil Sanika Rajgonda
75	Patil Shravani Umesh
76	Pawar Ramesh Ukadaram
77	Perkar Ajinkya Dilip
78	Phade Shruti Rohit
79	Pingale Sameeksha Sachin
80	Pinjari Saniya Husen
81	Ranadive Riya Rupesh
82	Raut Pranav Dattatraya
83	Rudrabhate Yugandhara Shantanu
84	Sakale Ritika Ravindra



॥ पढम्ं नाण नजो दया ॥

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

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Ref:

Date :

First Year.B.PHARM (2022-23) List Of Student With Respective Mentor

Mentor of H	E Batch: Mrs.R.C.Kadla e
Roll No	Name of the students
85	Salunke Om Ravindra
86	Sarnot Khushi Abhijeet
87	Sawant Anushka Machhindra
88	Shaha Priyanka Fulkumar
89	Shaikh Kashmira Gulamshahid
90	Shende Ajit Deepak
91	Shinde Samruddhi Anand
92	Shinde Sanika Shankar
93	Shirdhone Vrushabh Tillak
94	Solanki Prerna Vijaykumar
95	Solanki Rekha Kuparam
96	Suryawanshi Raj Dinesh
97	Sutar Vaibhavi Manojkumar
98	Terdale Akshata Dilip
99	Terdale Ritesh Bharat
100	Thapa Ishika Ishwar
101	Tiwari Adarsh
102	Uttekar Kanya Santosh
103	Vora Darshan Vikram
104	Wani Shrutiraj Rajendra
105	Zagade Gayatri Jagannath

Particulars	Mentor of E Batch	Academic Incharge	Principal	
Name	Mrs.R.C.Kobke	Mr. A.P.Kakde	Dr. S. G. Walode	
Signature	- xth	B	E.	



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SY.B.PHARM (2022-23) List of Student with respective Mentor

Class Teacher: Mrs. Puranik H. H

Mentor of A	A Batch: Mrs. WarudeB.J			
Roll No	Student Name			
1.	Abbad Yash Rajkumar			
2.	Aditya Nagesh Kumbre			
3.	Aher Shrutika Rajesh			
4.	Ambarkar Tejas Harivijay			
5.	Ansari Ikram Minhaj			
6.	Arti Sunil Thube			
7.	Bansode Shreya Prashant			
8.	Bele Shreya Annasaheb			
9.	Bende Rasika Sunil			
10.	Bhokare Sanchit Shantinath			
11.	Bobde Aadish Sarang			
12.	Bora Dipak Vilas			
13.	Borkar Sharvari Kumar			
14.	Chauhan Bipin Dayashankar			
15.	Chordiya Shruti Sunil			
16.	Choudhary Bhavesh Harish			
17.	Choudhary Kashish Dilip			
18.	Chougule Pranjali Prakash			
19.	Chougule Priyadarshani Rajkumar			
20.	Chuttar Nikhil Rahul			
21.	Dewasi Kailash Vanaram			
22.	Dhilod Shantanu Sanjay			

Mentor of B Batch: Mr. Panke D.V			
Roll. No.	Student Name		
23.	Diya Shah		
24.	Doke Ajit Prafulla		
25.	Dolaskar Avantika Manoj		
26.	Doshi Akash Santosh		
27.	Doshi Ketki Ashish		
28.	Falguni Sharad Petare		
29.	Fayyaj Jalal Shaikh		
30.	Gadiya Siddhesh Dilip		
31.	Gandhi Vaishnavi Surendra		
32.	Hipparkar Sneha Damodar		
33.	Jadhav Dipali Sadashiv		
34.	Jangale Dhanashri Sharad		
35.	Jangid Prakash Devilal		
36.	Kadam Sayli Gurudas		
37.	Katariya Pranjal Manoj		
38.	Kinikar Aniket Sanjay		
39.	Kusekar Janhavi Dnyaneshwar		
40.	Lunawat Ronak Rajendra		
41.	Madake Shivani Balasaheb		
42.	Madkar Pratik Suresh		
43.	Majage Sudarshan Jangonda		
44.	Munot Gautam Navneet		
45.	Nupur Nitin Barbare		



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Email: rmdiper@gmail.com

॥ रिवर् नाण सजो रथा ॥

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Mentor of C Batch: Dr. Garud. A. A			
Sr. No.	Student Name		
46.	Oswal Prayash Pravin		
47.	Patil Kiran Arun		
48.	Patil Sakshi Balasaheb		
49.	Prajkta Paraskumar Parakh		
50.	Pratiksha Nitin Yewale		
51.	Sankpal Prajakta Vikas		
52.	Shah Mokshit Manojkumar		
53.	Shah Prathamesh Bahubali		
54.	Shah Riya Rahul		
55.	Shaha Sakshi Aniket		
56.	Shriyash Haridas More		
57.	Soni Srushti Jitendra		
58.	Surana Shruti Sudeshkumar		
59.	Suryavanshi Vaishnavi Rajendra		
60.	Tanvi Vaibhav Redij		
61.	Tate Manasi Keshav		
62.	Thole SanyamVardhaman		
63.	Undare Gauri Abasaheb		
64.	Upadhye Ayush Shrenik		
65.	Upadhye Sujeet Sharad		
66.	Wanare Sanket Sanjay		
67.	Yadav Pooja Shivkumar		
68.	Yadav Sakshi Santosh		

Particulars	Class Teacher	Mentor of A Batch	Mentor of B Batch	Mentor of C Batch	Academic in- charge	Principal
Name	Mrs. Puranik H. H	Mrs. WarudeB.J	Mr. Panke D.V.	Dr.Garud A. A.	Mr A.P.Kakde	Dr. S. G. Walode
Signature	HAND	Bulando	9th	and	\$	CARDIDAL
	1	-0		V	0	TURYIFAL

E Jobal M. Dhariwal Institute of Fharmaceutical Education & Resear Chinchwad Station, Pune-411019

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T.Y.B.PHARM (2022-23) List of Student with respective Mentor

Class Teacher: Mr. S. D. Rede

Mentor of A Batch: Dr. Rudrapal Mithun		Mentor of B Batch: Dr. Neharkar V.S.		
Roll No.	Name of Student (Batch A)	Roll No.	Name of Student (Batch B)	
1.	Agarwal Disha Sanjay	24.	Guindesha Lisha Ganesh	
2.	Annadate Ajay Mahavir	25.	Habale Rohan Santosh	
3.	Bakliwal Chetan Mahavir	26.	Jagdale Shruti Vitthal	
4.	Bhajankar Leena Chandrashekhar	27.	Kaldate Kaustubh	
5.	Bhor Pratik Sandeep	28.	Kalyankar Samruddhi Mahavir	
6.	Bhujbal Durgesh Dattatraya	29.	Kasliwal Sakshi Uday	
7.	Birajdar Vishal Jaihind	30.	Khan Nasimakhatoon Anwarulhaq	
8.	Borna Bhagayshree Nekaram	31.	Khivansara Sakshi Rajendra	
9.	Chaudhary Suresh Shesharam	32.	Kote Pritam Mahavir	
10.	Chavan Sanika Mohan	33.	Landge Sarthak Somnath	
11.	Chobharkar Gajendrakumar Jinendrakumar	34.	Lokesh Salvi	
12.	Choudhary Rajesh Ganeshram	35.	Lunkad Sakshi Nilesh	
13.	Choudhari Smita Sudesh	36.	Mahajan Taral Ratnakar	
14.	Choudhary Pooja Khetaram	37.	Maindarge Shubham Sunil	
15.	Choudhary Pramod Durgaram	38.	Mali Shashank Balaji	
16.	Choudhary Suresh Pemaram	39.	Maliyal Kanishka Narendra	
17.	Choudhary Vinod Mohanlal	40.	Mehta Tejas Satyen	
18.	Chougule Diya Satish	41.	Mokashi Pranav Rohidas	
19.	Choutmal Jaydeep Ganeshrao	42.	Mutha Isha Vipul	
20.	Dugad Jinesh Yogesh	43.	Nahar Jay Pravin	
21.	Gadiya Krushikesh Santosh	44.	Naram Pratik Sunil	
22.	Gandhi Preet Sameer	45.	Pande Samiksha Vijaykumar	
23.	Ghule Abhishek Sanjay	46.	Parihar Shravan Jagdish	



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Mentor of C Batch: Ms. P. N. Chhajed		
Roll No.	Name of Student (Batch C)	
47.	Pathak Ravirajan Rajeevkumar	
48.	Pathare Ganesh Suryabhan	
49.	Patil Harshwardhan Kisan	
50.	Patil Prathamesh Vijay	
51.	Patil Pratiksha Bhimrao	
52.	Pawar Sumedh Laxmikant	
53.	Pinjarkar Bhushan Atul	
54.	Rachana Shah	
55.	Raskar Akshata Ankush	
56.	Ratadiya Mahima Yogesh	
57.	Sanghvi Jainam Jitendra	
58.	Sawargave Sateweli Sangmeshwar	
59.	Shah Atharva Deepak	
60.	Shah Dhruv Nilesh	
61.	Shinde Vaibhavlaxmi Dnyaneshwar	
62.	Solanki Harsh Dalpat	
63.	Soni Neha Santosh	
64.	Surve Sneha Vikas	
65.	Tambe Samruddhi Jayram	
66.	Tirthe Vaishnavi Govind	
67.	Tornekar Shivam Vijaykumar	
68.	Waje Prajyoti Rahul	
69.	Yadav Shivam Vinod	

Particulars	Class Teacher	Mentor of A Batch	Mentor of B	Mentor of C Batch	Academic in- charge	Principal
Name	Mr.S.D.Rede	Dr.M.Rudrapal	Dr.Neharkar V.S.	Ms.P.N.Chhajed	Mr A.P.Kakde	Dr. S. G. Walode
Signature	Same	I III III	Chief Station	(Bas	AS	ED .
	X		PUIPNIPharmv400	/		

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Ref:

Date :

Final Year.B.PHARM (2022-23) List Of Student With Respective Mentor

CLASS TEACHER: Mr.R.P.Raut

Mentor of	Mentor of A Batch : Ms. T.A. Sande		
Roll No	Name of the students		
1.	Alankar Gayatri Bapu		
2.	Atar Rukhasar Rajamahammad		
3.	Atole Saurabh Atmaram		
4.	Aware Dattatray Bajirao		
5.	Badre Saloni Ramesh		
6.	Bafna Anuj Hemantkumar		
7.	Bamb Priyanka Rajendra		
8.	Bamb Yash Rajendra		
9.	Bardiya Ketan Naresh		
10.	Bhandari Vardhaman Nitinkumar		
11.	Bhendale Prajakta Arun		
12.	Bhong Gauri Rajkumar		
13.	Borkar Pratiksha Ramdas		
14.	Burud Shreya Ravindra		
15.	Changediya Sneha Rahul		
16.	Chankeshwara Sidhant Sanja		
17.	Chhajed Kushal Satish		
18.	Chidgire Mira Vitthal		
19.	Chorbele Shreyans Pravin		
20.	Chordiya Harish Sanjay		
21.	Choubey Beauty Kailash		
22.	Choudhary Kamlesh Safaram		
	and the second		

Mentor of	B Batch: Mr S.D.Rede
Roll No	Name of the students
23.	Erandole Sujit Shankarrao
24.	Gaikwad Tushar Tukaram
25.	Gandhi Kalpesh Dipak
26.	Gawade Abhishek Anant
27.	Gelot Rohit Jagdish
28.	Gugale Isha Deepak
29.	Gugale Prachi Kishor
30.	Jadhav Manasi Pradip
31.	Jain Akshita Pramod
32.	Javir Jayashree Rajesh
33.	Kakade Rutuja Vijay
34.	Kale Anushka Swapnil
35.	Kasawa Shreyash Dhiraj
36.	Kathed Samyak Manoj
37.	Khan Asiya Israil
38.	Khopkar Sumit Subhash
39.	Kulkarni Harshada Shrikant
40.	Kuvar Gaurav Dhudku
41.	Lingayat Sanjyoti Satish
42.	Mahajan Anshuma Shantikumar
43.	Munot Rushabh Kiran
44.	Nanekar Kaustubh Machindra





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।। यदम्ं नाण तओ दया ।।



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Ref:

Date :

Final Year.B.PHARM (2022-23) List Of Student With Respective Mentor

Mentor of	C Batch: Mrs.H.H.Puranik
Roll No	Name of the students
45.	Patil Aditi Ankush
46.	Pawar Vaishnavi Rajendra
47.	Pratiksha Davkare
48.	Raut Tanaya Asaram
49.	Runwal Chaitrali Atul
50.	Sancheti Chetana Prakash
51.	Shah Mahima Jitendra
52.	Shah Vrushabh Bahubali
53.	Shinde Anurag Narendra
54.	Shinde Kalyani Abasaheb
55.	Shinde Prasad Sanjay
56.	Shinde Rameshwar Ashok
57.	Sirvi Indra Hemaram
58.	Sonawane Gaurav Shivaji
59.	Soni Samkit Dilip
60.	Surana Prachi Rajendra
61.	Thatte Chaitrali Atul
62.	Todarwal Sanke Trikhbchand
63.	Wanare Nikhil Arun
64.	Ware Paras Sukumar
65.	Ware Tanaya Shrikant
66.	Waware Sakshi Uday

Particulars	Class Teacher	Mentor of A Batch	Mentor of B	Mentor of C	Academic in-	Duin i 1
Name	Mr. Raut R P	Ma TA C 1	Datch	Batch	charge	Principal
Cignotuno		Wis. T.A. Sande	Mr. S. D. Rede	Mrs. H.H.Puranik	Mr A.P.Kakde	Dr S G Walode
Signature	Shield.	6/	blutz	1.110	.12	Dr.p. G. Waldde
		-/	Xiou	the	AS	th !!!

	Same of the man a course	
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