

1.1.1

1. University Calendar

Savitribai Phule Pune University



Circular No. 92 of 2023

Dates of Commencement and Conclusion of the Academic Year 2023-24 for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of Courses, under the faculty of **Science & Technology**, for the academic year 2023-24 shall be as under:

Term – I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	20/06/2023	31/10/2023	01/11/2023	01/11/2023	21/11/2023
2	B.E.: II	10/08/2023	04/12/2023	06/12/2023	07/12/2023	25/12/2023
3	B.E.: III IV	10/07/2023	04/11/2023	07/11/2023	11/11/2023	02/12/2023
4	M.E.: II	10/08/2023	04/12/2023	06/12/2023	07/12/2023	25/12/2023
5	B.Arch.: II	14/08/2023	04/12/2023	05/12/2023	05/12/2023	18/12/2023
6	B.Arch.: III IV V	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
7	M.Arch.:II	04/09/2023	06/01/2024	08/01/2024	08/01/2024	22/01/2024
8	B. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024
9	B.Pharm:III,IV	12/07/2023	04/11/2023	28/11/2023	20/11/2023	10/12/2023
10	M. Pharm: II	04/09/2023	30/12/2023	05/01/2024	17/01/2024	06/02/2024

Term – II

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	22/11/2023	30/04/2024	01/05/2024	02/05/2024	15/06/2024
2	B.E.: II	01/01/2024	30/04/2024	06/05/2024	04/05/2024	11/06/2024
3	B.E.: III IV	11/12/2023	30/04/2024	06/05/2024	04/05/2024	11/06/2024
4	M.E.: II	01/01/2024	30/04/2024	06/05/2024	04/05/2024	11/06/2024
5	B.Arch.: II	26/12/2023	27/04/2024	29/04/2024	06/05/2024	16/06/2024
6	B.Arch.: III IV V	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
7	M.Arch.:II	23/01/2024	20/05/2024	23/05/2024	24/05/2024	30/06/2024
8	B. Pharm: II	15/01/2024	30/05/2024	05/06/2024	01/06/2024	15/07/2024
9	B.Pharm:III,IV	26/12/2023	04/05/2024	13/05/2024	16/05/2024	23/06/2024
10	M. Pharm: II	07/02/2024	05/06/2024	10/06/2024	06/06/2024	15/07/2024

NOTE :

1. The dates of commencement and conclusion of the all those courses whose admission is made under Common Entrance Test (CET) conducted by Government of Maharashtra / Savitribai Phule Pune University will be declared separately.
2. In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/2453
Date: 30/05/2023



[Signature]
Deputy Registrar
(P.G.Admission)

[Signature]
(Dr. P. Y. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

1.1.1

2. Academic Calendar

Dr. Vithalrao Vikhe Foundation's
COLLEGE OF PHARMACY ; ViladGhat ; Ahmednagar
 Activity Plan & ACADEMIC CALENDAR 2023-2024

MONTH	ACTIVITY/ SCHEDULE	SUN	MON	TUE	WED	THU	FRI	SAT
July- 2023 1-9	University Annual Exam Of 2022-23 B.Pharm							1
10-16	Digital India Week Teaching Staff Academic Meeting proposals for Grants. 12 th July T.Y & Final B.Pharm Academic Commencement 2023-24 11 th July Antitobacco Pledge Activity by NSS Facilitation Centre for B.Pharm&M.Pharm admission	2	3	4	5	6	7	8
17-23	18 th July Van Mahatso by NSS	9	10	11	12	13	14	15
24-31	26 th July Vijay Kargil Diwas by NSS 29 th July Holiday Moharam	16	17	18	19	20	21	22
		23	24	25	26	27	28	29
		30	31					
Aug-2023 1-6	7 th Aug Swachhata Activity by NSS University Exam 2022-23 F.Y.B.Pharm&M.Pharm&PharmD Constitution of Student Council.			1	2	3	4	5
7-13	Internal Examination committee meeting.	6	7	8	9	10	11	12
14-20	15 th Aug. Independence Day celebration. 20 th August Sadhbhavna Diwas. S.Y.M.Pharm Project Evaluation	13	14	15	16	17	18	19
21-27	Guest lecture.	20	21	22	23	24	25	26
28-31	29 th Aug F.Y.B.Pharm/F.Y.Pharm.D Academic Commencement G-PAT lectures on Holidays	27	28	29	30	31		
Sept-2023 1-10	1 st Sept F.Y. M.Pharm Academic Commencement -2023-24 5 th Sept Teachers day celebration. 4 th Sept Academic Commencement S.Y.B.Pharm /S.Y.M.Pharm&S.Y.Pharm.D						1	2
11-17	4 th Sept S.Y.M.Pharm-Presentation/Journal Club Staff Meeting	3	4	5	6	7	8	9
18-24	11 th Sept T.Y/Final year B.Pharm First Sessional Exam-First Half 11 th Sept M.Pharm second Year First sessional Exam Blood Donation Camp sports week 19 th Sept Holiday Ganesh Chaturthi Certificate Course with ANA (Career Guidance) 18 th Sept Jal saksharta& Plastic Muktabhiyaan 19 th Sept Swach&Swastha Bharat Abhiyaan. 25 th Sept World Pharmacist Day G-PAT lectures on Holidays 28 th Sept Holiday of ID	10	11	12	13	14	15	16
25-30		17	18	19	20	21	22	23
		24	25	26	27	28	29	30

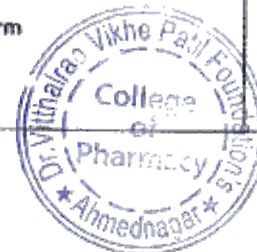


(Signature)

(Dr. P. Y. Pawar)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

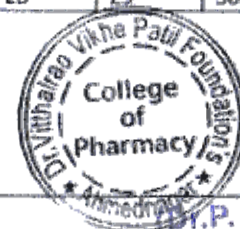
MONTH	ACTIVITY/ SCHEDULE	SUN	MON	TUE	WED	THU	FRI	SAT
Oct-2023	2 nd Oct Mahatma Gandhi Jayanti.	1	2	3	4	5	6	7
1-8	3 rd Oct F.Y.M.Pharm-Seminar /Journal Club First Sem Road Safety Campaign by NSS	8	9	10	11	12	13	14
9-15	LekVachwaAbhiyaan/ organ Donation by NSS	15	16	17	18	19	20	21
16-22	Oct Voter Awareness Programme	22	23	24	25	26	27	28
23-31	Guest Lecture 24 th Oct Holiday Dassera 30 th Oct T.Y/Final year Second Sessional Exam -First Half 30 th Oct M.Pharm second Year Second sessional Exam 30 th Oct F.Y.B.Pharm, S.Y.B.Pharm, F.Y.M.Pharm, First Sessional Exam-First Half 30 th Oct F.Y.Pharm.D, S.Y.Pharm.D First Sessional Exam-First Half University Exam B.Pharm S.Y/T.Y/Final Form filling 1 st Term University Exam M.Pharm Form Filling 1 st Term	29	30	31				
Nov-2023	Guest Lectures	SUN	MON	TUE	WED	THU	FRI	SAT
01-05	4 th Nov IstTerm Conclusion T.Y/Final B.Pharm- university calendar				1	2	3	4
6-12	11 th Nov National Education Day 10 th to 18 th Nov Diwali Vacation	5	6	7	8	9	10	11
13-19	G-PAT lectures on Holiday Regular Academics	12	13	14	15	16	17	18
20-26	20 th Nov Academic Commencementafter Diwali vacation M.Pharm Exam of Intro. to Constitution	19	20	21	22	23	24	25
27-30	M.Pharm second Year End Semester Exam	26	27	28	29	30		
Dec-2023		SUN	MON	TUE	WED	THU	FRI	SAT
1-10	World AIDS Day (Awareness Programme) . Practical Journal certification B.Pharm.						1	2
11-17	G-PAT lectures on Holidays 11 th Dec F.Y.B.Pharm, S.Y.B.Pharm, F.Y.M.Pharm, Second Sessional Exam-First Half	3	4	5	6	7	8	9
18-24	Guest Lectures	10	11	12	13	14	15	16
25-31	25 th Dec for Christmas celebration. 26 th Dec Preliminary Exam F.Y.B.Pharm 26 th Dec Second Term Commencement of B.Pharm	17	18	19	20	21	22	23
		24	25	26	27	28	29	30
		31						



(Signature)
(D. P. Y. Pawar)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

MONTH	ACTIVITY/ SCHEDULE	SUN	MON	TUE	WED	THU	FRI	SAT
Jan-2024	Internal Examination committee meeting		1	2	3	4	5	6
1-7	End Semester Exam F.Y.B.Pharm&M.Pharm First Half	7	8	9	10	11	12	13
8-14	Jan NSS Winter Camp Activity	14	15	16	17	18	19	20
	Regular Academics	21	22	23	24	25	26	27
15-21	12 th Jan National Youth Day	28	29	30	31			
	14 th Jan Makar Sankranti							
22-31	15 Jan Second Term Commencement of S.Y. B.Pharm							
	23 rd Jan Subhash Chandra Bose Birthday							
	26 th Jan Republic Day celebration							
	Guest Lecture							
	Entry of marks of B.Pharm&M. Pharm in mother Register.							
	29 th Jan T.Y/Final B.Pharm first Sessional Exam - Second Term							
	29 th Jan F.Y.Pharm.D&S.Y.Pharm.D Second sessional Exam							
Feb-2024	4 th Feb World Cancer Day.	SUN	MON	TUE	WED	THU	FRI	SAT
1-11	10 th Feb Pharma Utsav (Annual gathering)					1	2	3
	Budget for chemicals ;Glasswares ;equipments; etc.	4	5	6	7	8	9	10
12-18	University Exam form filling B.Pharm	11	12	13	14	15	16	17
	Personality Development Programme for Girl Students.	18	19	20	21	22	23	24
19-28	19 th Feb Holiday Shiv Jayanths.	25	26	27	28			
	21-28 Feb G-PAT Examination							
	Regular Academics.							
	Stock verification of store . library , laboratory , computers							
Mar-2024	8 th March Mahashivratri Holiday	SUN	MON	TUE	WED	THU	FRI	SAT
1-11	8 th March International Womans Day.					1	2	3
12-18	Guest Lecture	4	5	6	7	8	9	10
19-25	23 rd March Shaheed Diwas	11	12	13	14	15	16	17
26-31	26 th March Holiday-Dhuliwandan	18	19	20	21	22	23	24
	29 th March Good Friday Holiday	25	26	27	28	29	30	31
	Academic-Meeting							



(P. Y. Pawar)
Principal
V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

MONTH	ACTIVITY/ SCHEDULE							
Apr-2024 1-8 9-15 16-22 23-30	1 st April T.Y./Final B.Pharm second Sessional Exam-IInd Half 1 st April F.Y.B.Pharm/S.Y.B.Pharm/F.Y.M.Pharmist Sessional Exam-IInd Half 9 th April GudhiPadwa Holiday 11 th April Ramzan Id Holiday 14 th Apr Dr. AmbedkarJayanthi Holiday. 17 th April Ram Navmi Holiday 21 st April MahavirJayanthiHoliday Entry of Internal Exam Marks of B.Pharm in Mother Register. 28 th Apr World Safety Day. Regular Academics. S.Y.M.PharmSem-IV Seminar & Journal Club	SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5	6	7
		8	9	10	11	12	13	14
		15	16	17	18	19	20	21
		22	23	24	25	26	27	28
		29	30					
May-2024 1-6 7-13 14-20 21-31	1 st May Maharashtra Din Holiday. 4 th May Second Term Conclusion B.Pharm as per Univ.Calendar. 13 th May F.Y.B.Pharm/S.Y.B.Pharm/F.Y.M.PharmIInd Sessional Exam IInd Half 13 th May F.Y.Pharm.D & S.Y.Pharm.D Third sessional Exam S.Y/T.Y./ Final B.Pharm& University Exam Second half Teaching Staff meeting. 23 rd May BuddhPoornima Holiday 27 th May F.Y.M.Pharm-Seminar /Journal Club Second Sem Entry of Internal Marks (M.Pharm) in Mother Register. M.Pharm second year Seminars &Thesis Submission. Summer Vacation commencement. 30 May Second Term Conclusion M.Pharm as per Univ.Calendar	SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3	4	5
		6	7	8	9	10	11	12
		13	14	15	16	17	18	19
		20	21	22	23	24	25	26
		27	28	29	30	31		
June -2024 1-10 11-17 18-24 25-30	F.Y.B.Pharm & F.Y.M. Pharm Second Half University Exam Academic Planning. B.Pharm & M.Pharm admission Meeting Allotment of staff responsibility. 17 th June Bakri-Id 21 st June International Yoga Day. G-PAT lectures Planning	SUN	MON	TUE	WED	THU	FRI	SAT
							1	2
		3	4	5	6	7	8	9
		10	11	12	13	14	15	16
		17	18	19	20	21	22	23
		24	25	26	27	28	29	30

Total No. of working Days: 202

Academic Co-ordinator
College of Pharmacy



Pawar
Principal
College of Pharmacy

Pawar
(Dr. P. Y. Pawar)
Principal
D.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

1.1.1

3. Academic Meeting

DR. VITHALRAO VIKHE PATIL FOUNDATIONS
COLLEGE OF PHARMACY,

VILAD GHAT, PO. MIDC, AHMEDNAGAR (MS)

Phone No. (0241) 2778044 / 2777217. Fax No. (0241) 2778044

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Accredited by NAAC with Grade "A"

Permanently Affiliated to University of Pune, Pune.

Approved by PCI, New Delhi & Recognized by UGC, New Delhi



Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

Ref. No.:Coph/2023-24/

Date: 21/06/2023

NOTICE

All the teaching staff members are hereby informed that the academic meeting of the college is being scheduled on Monday 03/07/2023 at 2.30 pm, so all are requested to remain present for the meeting.

The agenda of meeting is as follows

1. Minutes of Previous meeting
2. Subject Allotment to Staff.
3. Commencement of Academics.
4. Academic Calendar.
5. Course planning and course file.
6. Examination Schedule.
7. Class teacher and Mentor allotment.
8. Planning of Guest Lectures and Expert lectures.
9. Planning of Guest culture and Sports activities.
10. Discussion on Remedial/Tutorial classes.

This is for your kind information.

S. S. S. S.
Academic Coordinator



P. Y. Pawar

(Dr. P.Y. Pawar)
Principal
College of Pharmacy,
Ahmednagar.



P. Y. Pawar

(Dr. P.Y. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar



Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

DR. VITHALRAO VIKHE PATIL FOUNDATIONS
COLLEGE OF PHARMACY,

VILAD GHAT, PO. MIDC, AHMEDNAGAR (MS)

Phone No. (0241) 2778044 / 2777217. Fax No. (0241) 2778044

E-mail ID : pdcophanurr@rediffmail.com

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Ref. No.:Coph/CCSEA/2023-24/

Date: 03/07/2023

Minutes of the Academic Meeting:

At the onset of the meeting Dr. P.Y. Pawar welcomed all the staff members and then proceeded with the agenda of the meeting.

Agenda No.1: Minutes of Previous meeting.

Since there were no changes in the minutes of previous meeting, all the members unanimously agreed to confirm the minutes of previous meeting.

Agenda No.2: Subject Allotment to Staff.

Department-wise subjects and workload allotted to staff members was reviewed by the committee and verified the same. To allot subject teachers for Final year B. Pharmacy students to undergo practice school for a period of 150 hours evenly distributed throughout the semester. Also allotment of PG guides to students as soon as the first semester of M Pharmacy commences.

Agenda No.3: Commencement of Academics.

Commencement of Academics with respect to SPPU Academic calendar was discussed and the Odd semester of Third and Final year B. Pharmacy classes to commence from 12th July 2023, M Pharmacy from 4th Sept. 2023 and Second year Pharm.D. classes to commence from 11th Sept 2023.


Agenda No.4: Academic Calendar.

The committee reviewed the academic calendar and was well planned in advanced as per the SPPU academic calendar and was made available to all the staff members.

Agenda No.5: Course planning and course file.

All the Staff members were asked to properly scheme out their respective course plan with respect to the academic calendar and to maintain the course file as per the discussion.




(Dr. P. Y. Pawar)
Principal
Dr. V.P.P.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Agenda No.6:Examination Schedule.

The tentative internal theory and practical examination schedule dates along with the SPPU end semester theory and practical dates were discussed.Probable date of evaluation of Final year B. Pharmacy practice school to be carried out by the by the subject experts at college level and grade point shall be awarded.

Agenda No.7:Class teacher and Mentor allotment.

The Class teacher and Mentor allotment were allotted to B. Pharmacy, M. Pharmacy and Pharm. D. classes. All the staff members were told to maintain the mentor mentee documentation file.

Agenda No.8:Planning of Guest Lectures and Expert lectures.

In order to fill the gaps in the curriculum, it was decided to call experts from different fields like academics, industry, allied fields, and subject experts.


Agenda No.9:Planning of cultural and Sports activities.

The Sports and Cultural incharge were asked to plan their activities in concern with the students of third and final year B.Pharmacy.



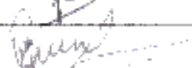


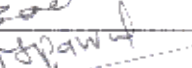






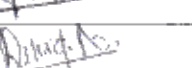
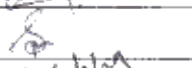
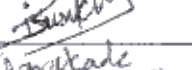

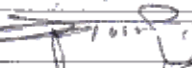







Agenda No.10: Discussion on Remedial/Tutorial classes.

During the meeting, it was decided to identify advanced and slow learners on basis of daily academic performance through academic results, class test and daily assessment during practical, marks in internal exams. For Slow learners, Remedial classes and tutorial classesto be conducted to clear their basicsconcepts in respective courses and to provide them with study material and question bank to improve academic performance.





(Dr. P. V. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Attendance of staff Members present during the meeting held on 03/07/2023:

Sr.no	Name	Signature
1.	Dr. P. Y. Pawar	
2.	Dr. P. M. Gaikwad	-
3.	Dr. R. L. Sawant	-
4.	Dr. S. Z. Chemate	
5.	Dr. A.N. Merekar	
6.	Dr. W. A. Ambekar	
7.	Dr. G. R. Godge	
8.	Dr. Mrs. S.A. Merekar	
9.	Prof. K. N. Tarkase	
10.	Prof. Mrs. N. S. Pawar	
11.	Prof. Mrs. J. B. Wadekar	
12.	Prof. H. J. Pagar	
13.	Prof. M.A. Raskar	
14.	Prof. V. V. Nimbalkar	
15.	Prof. N S. Mhaske	
16.	Prof. Mrs. R. S. Joshi	
17.	Prof. B. V. Bhagat	
18.	Prof. S. A. Hapse	
19.	Prof. M. D. Dokhe	
20.	Prof. P. P. Hajare	
21.	Prof. Mrs. Jamdhade	
22.	Prof. G. D. Barkade	
23.	Prof. V. M. Dhamak	
24.	Prof. A. R. Thanage	
25.	Prof. Mrs. S.S. Thakur	
26.	Prof. V.V. Kakade	




 (Dr. P. Y. Pawar)
 Principal
 Dr. V.V.P.F.'s College of Pharmacy
 Vilad Ghat, Ahmednagar



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Approved by PCI, New Delhi & Recognized by UGC, New Delhi



Ref. No.:Coph/2023-24/

Date: 01/01/2024

NOTICE

All the teaching staff members are hereby informed that the academic meeting of the college is being scheduled on Saturday 19/01/2024 at 11.00am, so all are requested to remain present for the meeting.

The agenda of meeting is as follows

1. Minutes of Previous meeting.
2. Subject Allotment to Staff.
3. Examination Schedule.
4. PharmaUtsav planning.
5. Hospital and Medical store posting of S.Y.Pharm.D. Students.
6. Syllabus Status completion.
7. Planning of Expert lectures.
8. Planning Certificate Course.


This is for your kind information.


Thanking you,


Academic Coordinator



Yours faithfully,


(Dr. P.Y. Pawar)
Principal
College of Pharmacy,
Ahmednagar.


(Dr. P. Y. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar



Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

DR. VITHALRAO VIKHE PATIL FOUNDATIONS
COLLEGE OF PHARMACY,

VILAD GHAT, PO. MIDC, AHMEDNAGAR (MS)

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Ref. No.:Coph/CCSEA./2023-24/

Date: 19/01/2024

Minutes of the Meeting:

At the onset of the meeting Dr. P.Y. Pawar welcomed all the staff members and then proceeded with the agenda of the meeting.

Agenda No.1: Minutes of Previous meeting.

The minutes of previous meeting were discussed and confirmed.

Agenda No.2: Subject Allotment to Staff.

Department-wise subjects and workload was allotted to the staff members was reviewed by the committee and verified the same. As per the last semester the same subject teachers for Final year B. Pharmacy students were allotted to undergo Project work in semester VIII.

Agenda No.3: Examination Schedule.

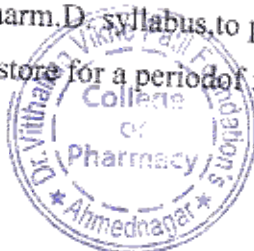
The tentative internal theory and practical examination schedule dates along with the SPPU end semester theory and practical dates were discussed. Discussion on probable dates of evaluation of Final year B. Pharmacy Project work to be carried out by the internal and external examiner. Also, the dates for M. Pharmacy dissertation submission, evaluation and viva dates were discussed.

Agenda No.4: Pharma Utsav planning.

The Cultural and Sports incharge were asked to plan the detailed cultural and sports week activities, various committees of students, and events to be carried out during the Pharma Utsav 2024 (Annual day).

Agenda No.5: Hospital and Medical store posting of S.Y. Pharm.D. Students.

During the meeting it was discussed as per the guidelines of SPPU and PCI mentioned in the Pharm.D. syllabus, to post S.Y. Pharm.D. students to different hospital wards and medical store for a period of 50 hours to gain clinical knowledge.



[Handwritten Signature]

Dr. P. Y. Pawar)
Principal
College of Pharmacy
Vilad Ghat, Ahmednagar

Agenda No.6:Syllabus Status completion.

The syllabus completed by the staff was reviewed, and the entire staff members were was asked to complete 100% syllabus with proper planning before the end of semester.


Agenda No.7:Planning of Expert lectures.

During the meeting it was decided to conduct expert lectures on NirbhaykanyaAbhiyan, Personality and interpersonal skill development, interview techniques,

Agenda No.8:Planning Certificate Course.

It was decided to conduct a Skill enrichment programeand to empower students with advanced knowledge and hands on experience which enhances the theoretical knowledge and practical skills of students.




(Dr. P. V. Pawar)
Principal
Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Attendance of staff Members present during the meeting held on 19/01/2024:

Sr.no	Name	Signature
1.	Dr. P. Y. Pawar	
2.	Dr. P. M. Gaikwad	
3.	Dr. R. L. Sawant	
4.	Dr. S. Z. Chemate	
5.	Dr. A.N. Merekar	
6.	Dr. W. A. Ambekar	
7.	Dr. G. R. Godge	
8.	Dr. Mrs. S.A. Merekar	
9.	Prof. K. N. Tarkase	
10.	Prof. Mrs. N. S. Pawar	
11.	Prof. Mrs. J. B. Wadekar	
12.	Prof. H. J. Pagar	
13.	Prof. M.A. Raskar	
14.	Prof. V. V. Nimbalkar	
15.	Prof. N S. Mhaske	
16.	Prof. Mrs. R. S. Joshi	
17.	Dr. B. V. Bhagat	
18.	Dr. S. A. Hapse	
19.	Prof. M. D. Dokhe	
20.	Prof. P. P. Hajare	
21.	Prof. Mrs. S. B. Jamdhade	
22.	Prof. G. D. Barkade	
23.	Prof. V. M. Dhamak	
24.	Prof. A. R. Thanage	
25.	Prof. Mrs. S. S. Thakur	
26.	Prof. V. V. Kakade	
27.	Dr. S. K. Bhite	
28.	Dr. Miss. H. B. Walunjkar	
29.	Prof. S. R. Bidwe	
30.	Prof. Mrs. S. M. Jaggi	
31.	Prof. Mrs. A. V. Manche	
32.	Prof. Miss. A. B. Udar	
33.	Prof. Miss. K. S. Gondkar	
34.	Prof. S. D. Gulve	



(Dr. P. Y. Pawar)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

1.1.1

4. Academic Time Table

CLASS	TIMING	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
F.Y.B. PHARM	09.00 10.00	RB/NSP RM/SGA	RB/NSP RM/SGA	RM/SGA RB-Pr/NSP(8-10 am)	RM/SGA	RM/SGA	RM/SGA
THEORY Room no : 47	10.00 to 11.00	PIC / RSJ	CS/GEA	P'ceu-I / GRG	P'ceu - I / GRG	HAP-I / ART	PIC / RSJ
	11.00 to 12.00	HAP-I/ART	CS/GEA	PA-I/ MDD	HAP-I/ART	PA-I/ MDD	HAP-I/ART
	12.00 to 01.00	P'ceu - I/GRG	P'ceu - I / GRG	PIC / RSJ	PA-I/ MDD	PIC / RSJ	PA-I/ MDD
PRACTICAL	01.30 to 05.30	PA- I(A)/ MDD	PIC (A) / RSJ	CS(A) /GEA	HAP-I/ (A) /ART	P'ceu-I(A)/ GRG	PIC / RSJ (Th)
		CS(B) /GEA -(3-5)	HAP-I / (B) /ART	P'ceu - I (B)/SST	PIC (B) /RSJ	PA-I (B) /MDD	HAP-I/ART(Th)
		HAP-I / (C) /ART	P'ceu - I (C)/SST	PA-I (C) /MDD	CS (C) /GEA	PIC (C) /RSJ	PA-I/ MDD (Th)
		P'ceu-I (D) /SBJ	CS (D) /GEA-(3-5)	PIC (D) / RSJ	PA-I (D)/MDD	HAP-I / (D) / ART	-----
S.Y.B.PHARM	09.00 to 01.00	PE /(A) VVK	P' Micro /(A) BVB	POC-II /(A) VMD	PP-I /(A) SAH	P'Micro/BVB(Th)	P'Micro / BVB
PRACTICAL		POC-II /(B) VMD	PE /(B) GDB	PP-I / (B) SAH	P' Micro/(B) BVB	PP-I / SAH (Th)	Remedial Class
		P' Micro/(C) SMJ	PP-I / (C) SAH	PE /(C) /GDB	POC-II /(C) VMD	POC-II / VMD	
		PP-I / (D) AVM	POC-II /(D) VMD	P' Micro /(D)SMJ	PE /(D) VVK	-----	
THEORY Room no : 47	02.00 to 03.00	PE / VVK	PP-I / SAH	PP-I / SAH	POC-II / VMD	PE / VVK	Remedial Class
	03.00 to 04.00	PP-I / SAH	POC-II / VMD	POC-II / VMD	P' Micro / BVB	P'Micro / BVB	
	04.00 to 05.00	-----	PE / VVK	-----	PE / VVK	-----	
T.Y.B.PHARM	09.00 to 01.00	-----	-----	-----	-----	-----	-----
PRACTICAL		P'col-II/(A) HJP	P'cog-II / (A)/JBW	IP-I / (A) / NSM	P'col-II /HJP (Th)	MC-II /GDB (Th)	MC-II /GDB (Th)
		P'cog-II/(B) PPH	IP-I / (B) / NSM	P'col-II / (B) / SMJ	MC-II / GDB (Th)	P'cog-II /JBW(Th)	PJ / BVB (Th)
		IP-I/(C) NSM	P'col-II / (C) /SMJ	P'cog-II / (C) /PPH	IP -I / NSM (Th)	-----	-----
THEORY Room no : 60	02.00 to 03.00	IP -I / NSM	P'col-II / HJP	MC-II / GDB	IP -I / NSM	P'cog-II / JBW	MC-II /GDB (Th)
	03.00 to 04.00	PJ / BVB	PJ / BVB	P'cog-II / JBW	P'cog-II / JBW	IP-I / NSM	PJ / BVB (Th)
	04.00 to 05.00	P'col-II / HJP	-----	PJ / BVB	P'col-II / HJP	-----	-----
FINAL Y.B.PHARM	09.00 10.00						
THEORY Room no : 57	10.00 to 11.00	IMA / MAR	IMA / MAR	PP / SBJ	IP-II / WAA	PP / SBJ	NDDS / GRG
	11.00 to 12.00	IP-II / WAA	PP / SBJ	IMA / MAR	IMA / MAR	IP-II / WAA	NDDS / GRG
	12.00 to 01.00	PP / SBJ	IP-II / WAA	NDDS / GRG	NDDS / GRG	NDDS / GRG	Practice School
PRACTICAL	01.30 to 05.30	IMA /(A) MAR	IMA / (B) MAR	IMA / (C) MAR	Practice School Batch-A, B ,& C	Practice School Batch-A ,B, & C	Practice School Batch-A, B, & C
		Practice School (Batch B & C)	Practice School (Batch A & B)	Practice School (Batch & B)			

Academic Coordinator



Principal

B.Pharmacy TIME TABLE - 2023-24 Semester-II, IV, VI and VIII (IInd & IVth Sat. off)

CLASS	TIMING	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
F.Y.B. PHARM	09.00 10.00	Env.Sci/NSP	Env.Sci/NSP	-----	-----	-----	-----
THEORY Room No - 47	10.00 to 11.00	P.O.C-I/ RSJ	Biochem/ MDD	Patho /VVN	Biochem/ MDD	P.O.C-I / RSJ	Env.Sci/NSP
	11.00 to 12.00	HAP-II/ ART	Comp / SBK	Biochem / MDD	Patho / VVN	Comp / SBK	Biochem/ MDD
	12.00 to 01.00	Patho/ VVN	HAP-II/ART	POC-I/RSJ	Comp / SBK	HAP-II/ART	HAP-II / ART
PRACTICAL	01.30 to 05.30	Bioch.(A)/MDD	Comp(A) /SBK	HAP-II (A) /ART	P.O.C.-I(A) /RSJ	Env.Sci/NSP 2-3	Env.Sci/NSP 2-3
		Comp(B) / SBK	P.O.C.-I(B)/RSJ	Bioch.(B)/ MDD	HAP-II(B) / SMJ	Patho /VVN 3-4	Biochem/ MDD 3-4
		HAP-II (C)/SMJ	Bioch. (C) / MDD	P.O.C.-I(C) /RSJ	Comp (C) /SBK	P.O.C-I/RSJ 4-5	HAP-II /ART 4-5
		P.O.C.-I(D) /RSJ	HAP-II (D) /ART	Comp(D) /SBK	Bioch.(D)/ MDD	-----	-----
S.Y.B.PHARM	09.00 to 01.00	MC-I(A) /MAR	P ^o col-I (A) /SMJ	P.P.-II(A)/ SAH	P ^o cog-I(A) / SST	P ^o col-I /SMJ (Th)	P.P.-II/ SRB (Th)
		P ^o cog-I(B)/PPH	P.P.-II (B) /SAH	P ^o col-I(B)/ SMJ	MC-I(B)/ MAR	P.O.C.-III/VMD (Th)	P ^o cog-I/SST (Th)
		P ^o col-I (C) / SMJ	P ^o cog-I(C)/PPH	MC-I(C)/ VMD	P.P.-II (C) / BVB	PP-II/ SRB (Th)	-----
		PP-II(D) BVB	MC-I(D) /VMD	P ^o cog-I(D)/PPH	P ^o col-I (D) / AVM	-----	-----
THEORY Room No - 47	02.00 to 03.00	P.O.C.-III / VMD	P.O.C.-III / VMD	MC-I/MAR	P ^o cog-I / SST	P.P.-II / SRB	P.P.-II/ SRB
	03.00 to 04.00	P ^o cog-I /SST	P ^o col-I / SMJ	P ^o cog-I / SST	MC-I /MAR	MC-I/MAR	P ^o cog-I/SST
	04.00 to 05.00	P.P.-II / SRB	MC-I /MAR	P ^o col-I/SMJ	P.O.C.-III/VMD	P ^o col-I/SMJ	-----
T.Y.B.PHARM	09.00 to 01.00	-----	-----	-----	-----	-----	-----
		M.C.-III(A)/GDB	HDT (A) / JBW	P ^o col-III (A) / VVK	P ^o col-III/ VVN (Th)	QA / NSM (Th)	P ^o col-III/ VVN(TU)
		P ^o col.-III (B) / VVK	M.C.-III (B)/ GDB	HDT (B) /SBJ	Biopharm/NSM (Th)	HDT/JBW (Th)	Biopharm/NSM
		HDT (C) /SBJ	P ^o col-III (C) / VVK	M.C.-III (C) /SRB	P ^o Biotech /AVM	M.C.-III / GDB	QA / NSM
THEORY Room No. 60	02.00 to 03.00	M.C.-III/GDB	P ^o col-III / VVN	M.C.-III / GDB	P ^o Biotech /AVM	HDT/JBW	P ^o col-III/ VVN(TU)
	03.00 to 04.00	QA / NSM	M.C.-III / GDB	Biopharm/NSM	P ^o col-III/ VVN	P ^o Biotech /AVM	Biopharm/NSM
	04.00 to 05.00	P ^o Biotech /AVM	HDT/JBW	P ^o Biotech / AVM	HDT/JBW	QA / NSM	QA / NSM
FINAL Y.B.PHARM	09.00 10.00	-----	-----	-----	-----	-----	-----
THEORY ROOM No: 59	10.00 to 11.00	Soc.Prev.harm/GRG	Cos.Sci/AVM	Bio&RM/ VMD	Cos.Sci/AVM	Soc.Prev. Pharm/GRG	P ^o covig/SBJ
	11.00 to 12.00	Cos.Sci/AVM	Bio&RM/ VMD	P ^o covig/SBJ	P ^o covig/SBJ	P ^o covig/SBJ	P ^o covig/SBJ
	12.00 to 01.00	Bio&RM/ VMD	Soc.Prev.Pharm/GRG	Cos.Sci/AVM	Bio&RM/ VMD	Soc.Prev.Pharm/GRG	-----
PRACTICAL	01.30 to 05.30	Project Work	Project Work	Project Work	Project Work	Project Work	Project Work

Vijay
Academic Coordinator



Pravin
Principal

**Dr. Vitthalrao Vikhe Patil Foundation's
COLLEGE OF PHARMACY, Vilad Ghat, Ahmednagar**

CLASS: FIRST YEAR M.PHARM (SEM-I) [2019 Pattern] Time Table 2023-24 w.e.f: 03 /10/ 2023 [Note: Ist & IIIrd Sat. off]

MONDAY	TUESDAY	WEDNESDAY	THURSDAY 10.00-5.00	FRIDAY	SATURDAY
MPAT /RLS 10-12	PC-Pr-I (B) Batch / PYP Room No- 41 10.00-5.00	P ['] ceutics-Pr-I(A)-Batch/SZC Room No-41 10.00-5.00	PQA-Pr-I (D)-Batch /ANM Room No – 41	P ['] col-Pr-I(C)Batch/PMG Room No- 41 10.00-5.00	MPAT /RLS 10-12
DDS/SZC 12-1	QMS / KNT 10 -11 PDTT/KNT 11-12 QCQA / ANM 12-1	QMS/KNT 10-11 QCQA /ANM 11-12	PC-Pr-I (B)-Batch/RLS Room No – 68	PQA-Pr-I D-Batch/ AVM Room No- 74	AOC-I/MAR 12-1
CNP/JBW 12-1	MP/WAA 10-11 DDS/SZC 11-12	AMC/ SAM 10-11 CNP/JBW 11-12 AOC-I/MAR 12-1	P ['] cology-Pr-I (C)Batch/VVN Room No – 71	RA/GRG 10-11 DDS/SZC 11-12	PTSM/VVN 12-1
PDTT/KNT 12-1	PTSM/VVN 11-1	CMP/VVN 10-12	P ['] ceuticsPr-I(A)-Batch /KNT Room No – 65	CNP/JBW 10-11 AOC-I/MAR 11-12 AMC/ SAM 12-1	PDTT/KNT 12-1 RA/GRG 12-1
AP ['] col/HJP 12-1					
LUNCH BREAK 1.00 to 1.30 pm					
MPAT /RLS 2-3	DDS/SZC 2-3 MP/WAA 3-4	QMS / KNT 2-4 QCQA/ANM 4-5		MP/WAA 2-3 RA/GRG 3-4 MP/WAA 4-5	AOC-I/MAR 2-3
RA/ GRG 3-4					
PDTT/KNT 4-5					
AMC/ SAM 3-4 CNP/JBW 4-5	PTSM/VVN 3-4 AP ['] col /HJP 4-5	AOC-I/MAR 4-5		AMC/SAM 4-5	PTSM/VVN 2-3 PDTT/KNT 2-3 RA/GRG 2-3
CMP/VVN 3-4 AP ['] col /HJP 4-5	QCQA /SAH 3-4 PDTT /NSM 4-5	PTSM/VVN 2-3 CMP/VVN 3-4 AP ['] col /HJP 4-5			

Th	Pharmaceutics Room No.62	Pharm. Chemistry Room No.20	Pharmacology Room No.63	Pharmaceutical Quality Assurance No.21
Su	Modern P ['] ceutical Analytical Technique Drug Delivery System Modern Pharmaceutics Regulatory Affair Pharmaceutics Practical-I	Modern P ['] ceutical Analytical Tech. Advanced Organic Chemistry-I Advanced Medicinal Chemistry Chemistry of Natural products Pharmaceutical Chemistry Practi-I	Modern P ['] ceutical Analytical Tech. Advanced Pharmacology-I P ['] cological & Toxicological Screening Methods-I Cellular & Molecular P ['] cology Pharmacology Practical-I	Modern P ['] ceutical Analytical Tech. Quality Management System Quality Control & Quality Assurance Product Development & Tech. Transfer P ['] ceutical Quality Assurance Practical-I
Pr	Batch- A	Batch- B	Batch- C	Batch- D

Hegde
Prof. H.J. Pagar
Academic Co-ordinator



Pf
Prof. Dr. R.L. Sawant
H.O.D (P.G).DEPT.

Pawar
Prof. Dr.P.Y. Pawar
Principal


Dr. Vitthalrao Vikhe Patil Foundation's, COLLEGE OF PHARMACY, Vilad Ghat, Ahmednagar
CLASS: FIRST YEAR M. PHARM (SEM-II) [2019 Pattern] TIME TABLE 2023-24 w.e.f. 07/02/2024 [Note: Ist & IIIrd Sat. off]

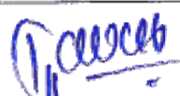
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
CADD / RLS 10-12 PPC / JBW 12-1	PC-Pr-II (B)-Batch/RLS Room No- 41 (10.00- 5.00)	P ^{ce} u-Pr-II (A)- Batch/SZC Room No – 65 (10.00-5.00)	PQA-Pr-II (D)-Batch /ANM Room No – 41	CADD / RLS 10-12 PPC / JBW 12-1	Seminar / Assignments
C & C / WAA 10-12 CADD/ GRG 12-1	PQA-Pr-II (D)-Batch/ ANM Room No- 74 10.00-5.00	HSM /KNT 10-12 PMT / NSM 12-1	PC-Pr-II (B)-Batch / SAM Room No – 68	HSM /KNT 10-11 PMT /NSM 11-1	
PTSM/PMG 10-11 AP ^{col} / HJP 11-12	Ad. Bioph/ SZC 10-12 Mol.P ^{ce} u/WAA 12-1	ASA / MAR 10-11 AOC-II / SAM 11-1	.P ^{col} –Pr-II (C)-Batch/PMG Room No – 71	P ^{col} Pr—II (C)-Batch/HJP Room No – 71 10.00-5.00	
PV/ SAH 10-11 ARC /BVB 11-12 HSM /KNT 12-1	CRP/VVN 10-11 PDD/ HJP 11-1	CRP/VVN 10-12 PDD/ HJP 12-1	P ^{ce} u-Pr-II (A)- Batch/KNT Room No – 65	C & C / WAA 10-12	
LUNCH BREAK 1.15 to 1.45 pm					
PPC / JBW 2-3 ASA / MAR 3-5	Mol.P ^{ce} u/WAA 2-3 CADD/ GRG 3-5	PV /SAH 2-4 PMT / NSM 4-5	PQA-Pr-II D-Batch /ANM Room No – 41	ASA / MAR 2-3 AOC-II /SAM 3-5	Seminar / Assignments
Ad. Bioph/ SZC 2-4 CADD/ GRG 4-5	PTSM/PMG 2-4 PDD/ HJP 4-5	PPC / JBW 2-3	PC-Pr-II B Batch / SAM Room No – 68	ARC /BVB 2-3 PV/ SAH 3-4	
PTSM/PMG 2-3 AP ^{col} / HJP 3-5	-----	CRP/VVN 2-3 AP ^{col} / HJP 3-4	.P ^{col} –Pr-II C-Batch/PMG Room No – 71	Mol.P ^{ce} u/WAA 2-4	
ARC /BVB 2-4 PMT / NSM 4-5		CRP/VVN 4-5	P ^{ce} u-Pr-II A Batch/KNT Room No – 65		

Pharmaceutics Room.No.47	Pharm.Chemistry Room. No.18	Pharmacology Room.No.61	Pharmaceutical Quality Assurance No.19
1.Molecular Pharmaceutics (Nano Tech &TDDS) 2. Advanced Biopharmaceutics & Pharmacokinetics 3. Computer Aided Drug Development 4.Cosmetic & Cosmeceuticals 5.Pharmaceutics Practical-II	1.Advanced Spectral Analysis 2. Advanced Organic Chemistry-II 3. Computer Aided Drug Design 4. Pharmaceutical Process Chemistry 5. P ^{ce} utical Chemistry Practical-II	1.Advance Pharmacology-II 2.P ^{col} ogical & Toxicological Screening Methods –II 3. Principles of Drug Discovery 4.Clinical Research &P ^{col} ovigilance 5. Pharmacology-Practical-II	1.Hazards & Safety Management 2. Pharmaceutical Validation 3.Audits & Regulatory Compliance 4. Pharmaceutical Manufacturing Technology 5.P ^{ce} utical Quality Assurance Pr-II
Batch- A	Batch- B	Batch- C	Batch- D


Prof. H.L. Pagar
 Academic Co-ordinator




Prof. Dr. R.L. Sawant
 H.O.D (P.G).DEPT.


Prof. Dr. P.Y. Pawar
 Principal

Dr. Vitthalrao Vikhe Patil Foundation's
COLLEGE OF PHARMACY

TIME TABLE - 2023-24

Pharm.D. [Annual pattern]

(IInd & IVth Sat. off)

CLASS	TIMING	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
F.Y. PHARM.D.	08.00 to 09.00	RB/NSP RM/SGA	RB/NSP RM/SGA	P'ceu/WAA	RB-Pr/NSP	PIC / GDB	RM/SGA
PRACTICAL	09.00 to 01.00	PIC / GDB	MB / SAM	HAP/ SKB	P'ceu / HBW	POC / SRB	P'ceu / WAA POC/SRB MB/ SAM
THEORY Room no : 17	02.00 to 03.00	POC / SRB	P'ceu / HBW	POC / SRB	PIC /GDB	MB / SAM	P'ceu / WAA
	03.00 to 04.00	P'ceu / WAA	HAP /SKB	HAP /SKB	HAP /SKB	POC SRB	POC/SRB
	04.00 to 05.00	HAP/SKB	MB / SAM	PIC / GDB	MB / SAM	PIC / GDB	MB/ SAM
S.Y.PHARM.D.	09.00 10.00	-----	-----	Com. Pharm/SKB	P'The-I/HBW	P' cog/SST (TU)	-----
THEORY Room no : 17	10.00 to 11.00	P'Micro/HBW	Patho/ SKB	P'Micro/HBW	P'cog/SST	P'col-I/ VVK	P' cog/SST
	11.00 to 12.00	P'col-I/ VVK	P'Micro/HBW	P'col-I/ VVK	P'The-I/HBW	Com.Ph/SKB	Patho/ SKB
	12.00 to 01.00	Patho/ SKB	P' cog/SST	Patho/ART	Com.Ph/SKB	P'The-I/HBW	P'Micro/HBW
PRACTICAL	01.30 to 05.30	P'Micro/HBW	P'col /VVK	P'The-I/ HBW	P' cog / SST	Com.Ph/SKB (TU)	P' cog/SST
						P'The-I/HBW (TU)	Patho/ SKB
						P'col-I/ VVK (TU)	P'Micro/HBW


Academic Coordinator




Principal

1.1.1

5. Course Structure

SAVITRIBAI PHULE PUNE UNIVERSITY

FACULTY OF SCIENCE AND TECHNOLOGY

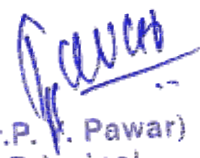


RULES & SYLLABUS

**FIRST YEAR BACHELOR OF PHARMACY (B. Pharm.) COURSE –
2019 pattern (EFFECTIVE FROM ACADEMIC YEAR 2019-2020)**



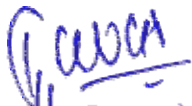
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(Dr. P. P. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

CHAPTER- I: REGULATIONS

1. **Short Title and Commencement** These regulations shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi”. They shall come into effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.
2. **Minimum qualification for admission**
 - 2.1 **First year B. Pharm:** Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.
 - 2.2 **B. Pharm lateral entry (to third semester):** A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.
3. **Duration of the program** The course of study for B.Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.
4. **Medium of instruction and examinations** Medium of instruction and examination shall be in English.
5. **Working days in each semester** Each semester shall consist of not less than 90 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.
6. **Attendance and progress** A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.
7. **Program/Course credit structure** As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits.




(Dr. P. V. Pawar)
Principal
Dr. V. V. P. F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7.1. Credit assignment

7.1.1. Theory and Laboratory courses Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

7.2. Minimum credit requirements The minimum credit points required for award of a B. Pharm. degree is 208. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus. The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

8. Academic work A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

9. Course of study The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.



Table-I: Course of study for semester I

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I- Theory	3/45	1	4
BP102T	Pharmaceutical Analysis I – Theory	3/45	1	4
BP103T	Pharmaceutics I – Theory	3/45	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3/45	1	4
BP105T	Communication skills – Theory *	2/30	-	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2/30	-	D
BP107P	Human Anatomy and Physiology – Practical	4/60	-	2
BP108P	Pharmaceutical Analysis I – Practical	4/60	-	2
BP109P	Pharmaceutics I – Practical	4/60	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4/60	-	2
BP111P	Communication skills – Practical*	2/30	-	1
BP112RBP	Remedial Biology – Practical*	2/30	-	D
Total		32/34^S/36[#]/480/510^S/540[#]	4	27

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course. However for Remedial biology and Mathematics no credits to be allotted only 50 % passing i.e D grade will be prerequisite.

\$Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)





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Table-II: Course of study for semester II

Course Code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3/45	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3/45	1	4
BP203T	Biochemistry – Theory	3/45	1	4
BP204T	Pathophysiology – Theory	3/45	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3/45	-	3
BP206T	Environmental sciences – Theory *	3/45	-	3
BP207P	Human Anatomy and Physiology II – Practical	4/60	-	2
BP208P	Pharmaceutical Organic Chemistry I – Practical	4/60	-	2
BP209P	Biochemistry – Practical	4/60	-	2
BP210P	Computer Applications in Pharmacy – Practical*	4/60	-	1
Total		32/480	4	29

*Non University Examination (NUE)

Table-III: Course of study for semester III

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3/45	1	4
BP302T	Physical Pharmaceutics I – Theory	3/45	1	4
BP303T	Pharmaceutical Microbiology – Theory	3/45	1	4
BP304T	Pharmaceutical Engineering – Theory	3/45	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4/60	-	2
BP306P	Physical Pharmaceutics I – Practical	4/60	-	2
BP307P	Pharmaceutical Microbiology – Practical	4/60	-	2
BP 308P	Pharmaceutical Engineering –Practical	4/60	-	2
Total		28/420	4	24





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Table-IV: Course of study for semester IV

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III- Theory	3/45	1	4
BP402T	Medicinal Chemistry I – Theory	3/45	1	4
BP403T	Physical Pharmaceutics II – Theory	3/45	1	4
BP404T	Pharmacology I – Theory	3/45	1	4
BP405T	Pharmacognosy and Phytochemistry I– Theory	3/45	1	4
BP406P	Medicinal Chemistry I – Practical	4/60	-	2
BP407P	Physical Pharmaceutics II – Practical	4/60	-	2
BP408P	Pharmacology I – Practical	4/60	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4/60	-	2
Total		31/465	5	28

Table-V: Course of study for semester V

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3/45	1	4
BP502T	Formulative Pharmacy– Theory	3/45	1	4
BP503T	Pharmacology II – Theory	3/45	1	4
BP504T	Pharmacognosy and Phytochemistry II– Theory	3/45	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3/45	1	4
BP506P	Formulative Pharmacy – Practical	4/60	-	2
BP507P	Pharmacology II – Practical	4/60	-	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4/60	-	2
Total		27/405	5	26





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Table-VI: Course of study for semester VI

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3/45	1	4
BP602T	Pharmacology III – Theory	3/45	1	4
BP603T	Herbal Drug Technology – Theory	3/45	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3/45	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3/45	1	4
BP606T	Quality Assurance – Theory	3/45	1	4
BP607P	Medicinal chemistry III – Practical	4/60	-	2
BP608P	Pharmacology III – Practical	4/60	-	2
BP609P	Herbal Drug Technology – Practical	4/60	-	2
Total		30/450	6	30

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3/45	1	4
BP702T	Industrial Pharmacy – Theory	3/45	1	4
BP703T	Pharmacy Practice – Theory	3/45	1	4
BP704T	Novel Drug Delivery System – Theory	3/45	1	4
BP705P	Instrumental Methods of Analysis – Practical	4/60	-	2
BP706PS	Practice School*	12/180	-	6
Total		28/420	5	24

* Non University Examination (NUE)





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Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of Hours per week/Total no of hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3/45	1	4
BP802T	Social and Preventive Pharmacy	3/45	1	4
BP803ET	Pharmaceutical Marketing	3 + 3 = 6/90	1 + 1 = 2	4 + 4 = 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardizations of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812PW	Project Work	12/180	-	6
Total		24/360	4	22

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co curricular activities	01*
Total credit points for the program	209

* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

§ Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.



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1. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
2. The composition of the Program Committee shall be as follows:

A senior teacher shall be the Chairperson; One Teacher from each department handling B.Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

3. Duties of the Program Committee:
 - i. Periodically reviewing the progress of the classes.
 - ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
 - iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
 - iv. Communicating its recommendation to the Head of the institution on academic matters.
 - v. The Program Committee shall meet at least thrice in a semester preferably at the end of each Sessionalexam (Internal Assessment) and before the end semester exam.


2. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table – X.

2.1. End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.




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Tables-X: Schemes for internal assessments and end semester examinations semester wise

Semester I


Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP101T	Human Anatomy and Physiology I- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP102T	Pharmaceutical Analysis I- Theory	10	15	1 Hr	25	75	3 Hrs	100
BP103T	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP104T	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP105T	Communication skills – Theory *	5	10	1 Hr	15	35	1.5 Hrs	50
BP106RBT BP106RMT	Remedial Biology/ Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
BP107P	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP108P	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP109P	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP110P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP111P	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP112RBP	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		70/75[§]/80[#]	115/125[§]/130[#]	23/24[§]/26[#] Hrs	185/200[§]/210[#]	490/525[§]/ 540[#]	31.5/33[§]/ 35[#] Hrs	675/725[§]/ 750[#]

Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

§ Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

* Non University Examination (NUE)




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Semester II

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP201T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203T	Biochemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204T	Pathophysiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206T	Environmental sciences – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209P	Biochemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725


* The subject experts at college level shall conduct examinations



Semester III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP301T	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	Physical Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303T	Pharmaceutical Microbiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304T	Pharmaceutical Engineering – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305P	Pharmaceutical Organic Chemistry II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP306P	Physical Pharmaceutics I – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP307P	Pharmaceutical Microbiology – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP308P	Pharmaceutical Engineering – Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		60	100	20	160	440	28Hrs	600





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Semester IV

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP401T	Pharmaceutical Organic Chemistry III– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP402T	Medicinal Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP403T	Physical Pharmaceutics II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP404T	Pharmacology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP405T	Pharmacognosy I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP406P	Medicinal Chemistry I – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP407P	Physical Pharmaceutics II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP408P	Pharmacology I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP409P	Pharmacognosy I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		70	115	21 Hrs	185	515	31 Hrs	700





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Semester V

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP501T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Formulative Pharmacy– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503T	Pharmacology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504T	Pharmacognosy II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505T	Pharmaceutical Jurisprudence – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP506P	Formulative Pharmacy – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP507P	Pharmacology II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP508P	Pharmacognosy II – Practical	5	10	4 Hr	15	35	4 Hrs	50
Total		65	105	17 Hr	170	480	27 Hrs	650




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Semester VI

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP606T	Quality Assurance– Theory	10	15	1 Hr	25	75	3 Hrs	100
BP607P	Medicinal chemistry III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
Total		75	120	18 Hrs	195	555	30 Hrs	750

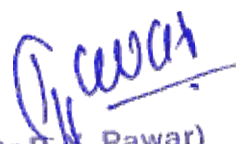


Semester VII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP701T	Instrumental Methods of Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP702T	Industrial Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP703T	Pharmacy Practice – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP704T	Novel Drug Delivery System – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP705 P	Instrumental Methods of Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP706 PS	Practice School*	25	-	-	25	125	5 Hrs	150
Total		70	70	8Hrs	140	460	21 Hrs	600

* The subject experts at college level shall conduct examinations





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Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
BP804ET	Pharmaceutical Regulatory Science – Theory							
BP805ET	Pharmacovigilance – Theory							
BP806ET	Quality Control and Standardizations of Herbals – Theory							
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology – Theory							
BP809ET	Cosmetic Science – Theory							
BP810ET	Experimental Pharmacology – Theory							
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812PW	Project Work							
Total		40	60	4 Hrs	100	450	16 Hrs	550




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11.2 Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 2 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	4	03
Student – Teacher interaction	2	
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks. The duration for the conduct of the exam is as below

Exam Type	Marks allotted	Duration
Theory	30	1.5 Hr
Practical	40	04 Hr



Question paper pattern for theory Sessional

For subjects having University exams

I. Objective Type Questions (Answer 05 out of 7)	=5 x 2 = 10
II. Long Answers (Answer 1 out of 2)	=1 x 10 = 10
III. Short Answers (Answer 2 out of 3)	=2 x 5 = 10
Total	30 marks

For subjects having Non University Examination

I. Long Answers (Answer 1 out of 2)	=1 x 10 = 10
II. Short Answers (Answer 4 out of 6)	=4 x 5 = 20
Total	30 marks

Question paper pattern for practical sessional examinations

I. Synopsis	= 10
II. Experiments	= 25
III. Viva voce	= 05
Total	40 marks

12 . Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B.Pharm.program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.



14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Re-examination of end semester examinations

Reexamination of end semester examinations shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November / December	May / June
II, IV, VI and VIII	May / June	November / December

Question paper pattern for end semester theory examinations

For 75 marks paper

I. Objective Type Questions (Answer 5 out of 7)	= 5 x 3 = 15
II. Long Answers (Answer 2 out of 4)	= 2 x 10 = 20
III. Short Answers (Answer 8 out of 10)	= 8 x 5 = 40
Total	= 75 marks


For 50 marks paper

I. Long Answers (Answer 2 out of 3)	= 2 x 10 = 20
II. Short Answers (Answer 6 out of 8)	= 6 x 5 = 30
Total	= 50 marks

For 35 marks paper

I. Long Answers (Answer 1 out of 2)	= 1 x 10 = 10
II. Short Answers (Answer 5 out of 7)	= 5 x 5 = 25
Total	= 35 marks




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Question paper pattern for end semester practical examinations

I. Synopsis	= 05
II. Experiments	= 25
III. Viva voce	= 05
Total	= 35marks

16. Academic Progression:

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. Academic progression rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I, II and III semesters till the IV semester examinations. However, he/she shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.

A student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.


A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the norms specified in 26.

A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.

A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.

A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms




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specified in 26.

Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

Rules for Carry Forward:

The curriculum (including regulations, structure and syllabi) is in force from academic year 2018-19 and onwards for First Year B. Pharm., for academic year 2019- 20 onwards for Second Year B. Pharm., for academic year 2020-21 and onwards for Third Year B. Pharm., and for academic year 2021-22 and onwards for Final Year B. Pharm.

The learners who were admitted to First Year B. Pharm. of 2015 pattern during the academic year 2017-18 or before & failed in the First Year B.Pharm. of 2015 pattern examination will have to take admission to Semester-III of Second Year B. Pharm. of

2018 pattern in academic year 2019-20 or onwards, provided that

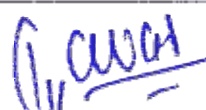
a. Their result of F. Y. B. Pharm of 2015 pattern is either pass or fails with A. T. K. T.

The said students will have to take up additional remedial courses as follows.

b) The learners who were admitted to S.Y B. Pharm. of 2015 pattern during the academic year 2018 19 or before and fail in the S.Y B.Pharm. of 2015 pattern examination will have to take admission to Semester-V of Third Year B. Pharm. of 2018 pattern in academic year 2020-21 or onwards, provide that Their result of S. Y. B. Pharm of 2015 pattern is either pass or fails with A. T. K. T. The sai students will have to take up additional remedial course as follows.

Sr. No	Remedial courses for admission to S.Y.B.Pharm in Academic Year 2019-20 (Cleared F.Y. B. Pharm as per 2015 Pattern)		
	(Non University Examination)	Semester	Passing Criteria
1.	Biochemistry – Theory/Practicals	Semester III	Minimum 50% marks with D grade
2.	Pathophysiology- Theory		Minimum 50% marks with D grade
3.	Computer Applications in	Semester IV	Minimum 50% marks with D




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	Pharmacy – Theory/Practicals		grade
4.	Environmental sciences – Theory		Minimum 50% marks with D grade

Sr. No	Remedial courses for admission to T.Y. B.Pharm in Academic Year 2020-21 (Cleared S. Y.B. Pharm as per 2015 Pattern)		
	(Non University Examination with 50% passing.)	Semester	Passing Criteria
1.	Medicinal Chemistry I – Theory/ Practical	Semester V	Minimum 50% marks with D grade

17. Grading of performances

17.1. Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

Table – XII: Letter grades and grade points equivalent to Percentage of marks and performances


Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called ‘Semester




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Grade Point Average' (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses(Theory/Practical) in a semester with credits C₁, C₂, C₃, C₄ and C₅ and the student's grade points in these courses are G₁, G₂, G₃, G₄ and G₅, respectively, and then students' SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 * \text{ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C₁, C₂, C₃, ... is the total number of credits for semester I, II, III, ... and S₁, S₂, S₃, ... is the SGPA of semester I, II, III, ...



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20. Declaration of class

The class shall be awarded on the basis of CGPA as follows

First Class with Distinction	= CGPA of. 7.50 and above
First Class	= CGPA of. 6.00 to 7.49
Second Class	= CGPA of. 5.00 to 5.99

21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below

Evaluation of Dissertation Book:

Objective(s) of the work done	15 Marks
Methodology adopted	20 Marks
Results and Discussions	20 Marks
Conclusions and Outcomes	20 Marks
Total	75 Marks

Evaluation of Presentation:

Presentation of work	25 Marks
Communication skills	20 Marks
Question and answer skills	30 Marks
Total	75 Marks

Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.



22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

AND/OR

Every candidate shall be required to undergo any one of the Skill development modules mentioned below **(Duration – Min. 04 weeks)**

- a) Hands on Training (Central instrumentation lab/Machine room etc)
- b) UGC/AICTE recognized online courses (SWAYAM/NPTEL etc)

After the successful completion of the module the candidate shall submit satisfactory report and certificate duly signed by the authority of training organization/Head of the institute

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.

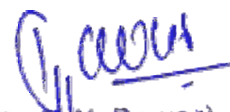
24. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm program in minimum prescribed number of years, (four years) for the award of Ranks.

25. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.




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26. Duration for completion of the program of study


The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

27. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.

No condonation is allowed for the candidate who has more than 2 years of break up period and he/she has to rejoin the program by paying the required fees.




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SAVITRIBAI PHULE PUNE UNIVERSITY

FACULTY OF SCIENCE AND TECHNOLOGY



RULES & SYLLABUS

**FIRST YEAR MASTER OF PHARMACY (M. Pharm.) COURSE
(EFFECTIVE FROM ACADEMIC YEAR 2019-2020)**



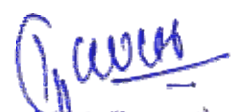
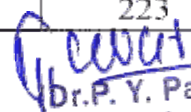

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CHAPTER - I : REGULATIONS

1. Short Title and Commencement

These regulations shall be called as "The Revised Regulations for the Master of Pharmacy (M. Pharm.) Degree Program – Credit Based Semester System (CBSS) of the Pharmacy Council of India, New Delhi". They shall come into effect from the Academic Year 2016–17. The regulations framed are subject to modifications from time to time by the authorities of the university.

2. Minimum qualification for admission

A. Pass in the following examinations -

- a) Pharm Degree examination of an Indian university established by law in India from an institution approved by Pharmacy Council of India and has scored not less than 55 % of the maximum marks (aggregate of 4 years of B.Pharm.)
- b) Every student, selected for admission to post graduate pharmacy program in any PCI approved institution should have obtained registration with the State Pharmacy Council or should obtain the same within one month from the date of his/her admission, failing which the admission of the candidate shall be cancelled.

Note: It is mandatory to submit a migration certificate obtained from the respective university where the candidate had passed his/her qualifying degree (B.Pharm.)

3. Duration of the program

The program of study for M.Pharm. shall extend over a period of four semesters (two academic years). The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semester shall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from the month of December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.



7. Program / Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, practical classes, seminars, assignments, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week / per activity.

7.1 Credit assignment

Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having four lectures per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

The contact hours of seminars, assignments and research work shall be treated as that of practical courses for the purpose of calculating credits. i.e., the contact hours shall be multiplied by 1/2. Similarly, the contact hours of journal club, research work presentations and discussions with the supervisor shall be considered as theory course and multiplied by 1.

Minimum credit requirements

The minimum credit points required for the award of M. Pharm. degree is 95. However based on the credit points earned by the students under the head of co-curricular activities, a student shall earn a maximum of 100 credit points. These credits are divided into Theory courses, Practical, Seminars, Assignments, Research work, Discussions with the supervisor, Journal club and Co-Curricular activities over the duration of four semesters. The credits are distributed semester-wise as shown in Table 14. Courses generally progress in sequence, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

8. Academic work

A regular record of attendance both in Theory, Practical, Seminar and Assignment and Journal club, Discussion with the supervisor, Research work presentation and Dissertation shall be maintained by the department / teaching staff of respective courses.

9. Course of study

The specializations in M.Pharm program is given in Table 1.



Table – 1: List of M.Pharm. Specializations and their Code

Sr. No.	Specialization	Code
1.	Pharmaceutics	MPH
2.	Industrial Pharmacy	MIP
3.	Pharmaceutical Chemistry	MPC
4.	Pharmaceutical Analysis	MPA
5.	Pharmaceutical Quality Assurance	MQA
6.	Pharmaceutical Regulatory Affairs	MRA
7.	Pharmaceutical Biotechnology	MPB
8.	Pharmacy Practice	MPP
9.	Pharmacology	MPL
10.	Pharmacognosy	MPG

The course of study for M.Pharm specializations shall include Semester wise Theory & Practical as given in Table - 2 to 11. The number of hours to be devoted to each theory and practical course in any semester shall not be less than that shown in Table - 2 to 11.



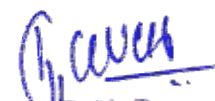

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Table - 2: Course of study for M. Pharm. (Pharmaceutics)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPH102T	Drug Delivery System	4	4	4	100
MPH103T	Modern Pharmaceutics	4	4	4	100
MPH104T	Regulatory Affair	4	4	4	100
MPH105P	Pharmaceutics Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPH203T	Computer Aided Drug Development	4	4	4	100
MPH204T	Cosmetic & Cosmeceuticals	4	4	4	100
MPH205P	Pharmaceutics Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



Table - 3: Course of study for M. Pharm. (Industrial Pharmacy)

Course Code	Course	Credit Hours	Credit Points	Hrs./week	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MIP102T	Pharmaceutical Formulation Development	4	4	4	100
MIP103T	Novel drug delivery systems	4	4	4	100
MIP104T	Intellectual Property Rights	4	4	4	100
MIP105P	Industrial Pharmacy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MIP201T	Advanced Biopharmaceutics and Pharmacokinetics	4	4	4	100
MIP202T	Scale up and Technology Transfer	4	4	4	100
MIP203T	Pharmaceutical Production Technology	4	4	4	100
MIP204T	Entrepreneurship Management	4	4	4	100
MIP205P	Industrial Pharmacy Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



Table - 4: Course of study for M. Pharm. (Pharmaceutical Chemistry)

Course Code	Course	Credit Hours	Credit Points	Hrs./week	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPC1012T	Advanced Organic Chemistry – I	4	4	4	100
MPC103T	Advanced Medicinal Chemistry	4	4	4	100
MPC104T	Chemistry of Natural Products	4	4	4	100
MPC105P	Pharmaceutical Chemistry Practical I	12	6	12	150
-	Seminar / Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPC201T	Advanced Spectral Analysis	4	4	4	100
MPC202T	Advanced Organic Chemistry –II	4	4	4	100
MPC203T	Computer Aided Drug Design	4	4	4	100
MPC204T	Pharmaceutical Process Chemistry	4	4	4	100
MPC205P	Pharmaceutical Chemistry Practical II	12	6	12	150
-	Seminar / Assignment	7	4	7	100
Total		35	26	35	650



Table - 5: Course of study for M. Pharm. (Pharmaceutical Analysis)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPA102T	Advanced Pharmaceutical Analysis	4	4	4	100
MPA103T	Pharmaceutical Validation	4	4	4	100
MPA104T	Food Analysis	4	4	4	100
MPA105P	Pharmaceutical Analysis Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPA201T	Advanced Instrumental Analysis	4	4	4	100
MPA202T	Modern Bio-Analytical Techniques	4	4	4	100
MPA203T	Quality Control and Quality Assurance	4	4	4	100
MPA204T	Herbal and Cosmetic Analysis	4	4	4	100
MPA205P	Pharmaceutical Analysis Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



Table - 6: Course of study for M. Pharm. (Pharmaceutical Quality Assurance)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MQA102T	Quality Management System	4	4	4	100
MQA103T	Quality Control and Quality Assurance	4	4	4	100
MQA104T	Product Development and Technology Transfer	4	4	4	100
MQA105P	Pharmaceutical Quality Assurance Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MQA201T	Hazards and Safety Management	4	4	4	100
MQA202T	Pharmaceutical Validation	4	4	4	100
MQA203T	Audits and Regulatory Compliance	4	4	4	100
MQA204T	Pharmaceutical Manufacturing Technology	4	4	4	100
MQA205P	Pharmaceutical Quality Assurance Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650





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Table - 7: Course of study for M. Pharm. (Regulatory Affairs)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MRA101T	Good Regulatory Practices	4	4	4	100
MRA102T	Documentation and Regulatory Writing	4	4	4	100
MRA103T	Clinical Research Regulations	4	4	4	100
MRA 104T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals In India and Intellectual Property Rights	4	4	4	100
MRA105P	Regulatory Affairs Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MRA201T	Regulatory Aspects of Drugs & Cosmetics	4	4	4	100
MRA202T	Regulatory Aspects of Herbal & Biologicals	4	4	4	100
MRA203T	Regulatory Aspects of Medical Devices	4	4	4	100
MRA204T	Regulatory Aspects of Food & Nutraceuticals	4	4	4	100
MRA205P	Regulatory Affairs Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650





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Table - 8: Course of study for M. Pharm. (Pharmaceutical Biotechnology)

Course Code	Course	Credit Hours	Credit Points	Hrs./w k	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPB 102T	Microbial And Cellular Biology	4	4	4	100
MPB 103T	Bioprocess Engineering and Technology	4	4	4	100
MPB 104T	Advanced Pharmaceutical Biotechnology	4	4	4	100
MPB 105P	Pharmaceutical Biotechnology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPB 201T	Proteins and protein Formulation	4	4	4	100
MPB 202T	Immunotechnology	4	4	4	100
MPB 203T	Bioinformatics and Computer Technology	4	4	4	100
MPB 204T	Biological Evaluation of Drug Therapy	4	4	4	100
MPB 205P	Pharmaceutical Biotechnology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650





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Table - 9: Course of study for M. Pharm. (Pharmacy Practice)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MPP 101T	Clinical Pharmacy Practice	4	4	4	100
MPP 102T	Pharmacotherapeutics-I	4	4	4	100
MPP 103T	Hospital & Community Pharmacy	4	4	4	100
MPP 104T	Clinical Research	4	4	4	100
MPP 105P	Pharmacy Practice Practical I	12	6	12	150
-	Seminar / Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPP 201T	Principles of Quality Use of Medicines	4	4	4	100
MPP 102T	Pharmacotherapeutics II	4	4	4	100
MPP 203T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	4	4	4	100
MPP 204T	Pharmacoepidemiology & Pharmacoconomics	4	4	4	100
MPP 205P	Pharmacy Practice Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650





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Table - 10: Course of study for (Pharmacology)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPL102T	Advanced Pharmacology - I	4	4	4	100
MPL. 103T	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPL.104T	Cellular and Molecular Pharmacology	4	4	4	100
MPL105P	Pharmacology Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPL201T	Advanced Pharmacology II	4	4	4	100
MPL. 202T	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPL203T	Principles of Drug Discovery	4	4	4	100
MPL204T	Clinical Research and Pharmacovigilance	4	4	4	100
MPL205P	Pharmacology Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650




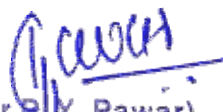

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Table - 11: Course of study for M. Pharm. (Pharmacognosy)

Course Code	Course	Credit Hours	Credit Points	Hrs./week	Marks
SEMESTER I					
MPAT101T	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPG102T	Advanced Pharmacognosy-1	4	4	4	100
MPG103T	Phytochemistry	4	4	4	100
MPG104T	Industrial Pharmacognostical Technology	4	4	4	100
MPG105P	Pharmacognosy Practical I	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MPG201T	Medicinal Plant biotechnology	4	4	4	100
MPG102T	Advanced Pharmacognosy – II	4	4	4	100
MPG203T	Indian system of medicine	4	4	4	100
MPG204T	Herbal cosmetics	4	4	4	100
MPG205P	Pharmacognosy Practical II	12	6	12	150
-	Seminar/Assignment	7	4	7	100
Total		35	26	35	650




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**Table - 12: Course of study for M. Pharm. III Semester
(Common for All Specializations)**

Course Code	Course	Credit Hours	Credit Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
Total		35	21

* Non University Exam

**Table - 13: Course of study for M. Pharm. IV Semester
(Common for All Specializations)**

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
Total		35	20

Table - 14: Semester wise credits distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

*Credit Points for Co-curricular Activities





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Table – 15 : Guidelines for Awarding Credit Points for Co-curricular Activities

Name of the Activity	Maximum Credit Points Eligible / Activity
Participation in National Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02


Note: International Conference: Held outside India
International Journal: The Editorial Board outside India

*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

10. Program Committee

1. The M. Pharm. programme shall have a Programme Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
2. The composition of the Programme Committee shall be as follows:
A teacher at the cadre of Professor shall be the Chairperson; One Teacher from each M.Pharm specialization and four student representatives (two from each academic year), nominated by the Head of the institution.
3. Duties of the Programme Committee:
 - i. Periodically reviewing the progress of the classes.
 - ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
 - iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
 - iv. Communicating its recommendation to the Head of the institution on academic matters.
 - v. The Programme Committee shall meet at least twice in a semester preferably at the end of each sessionalexam and before the end semester exam.




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11. Examinations/Assessments

The schemes for internal assessment and end semester examinations are given in Table - 16.

11.1 End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to IV shall be conducted by the respective university except for the subject with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.

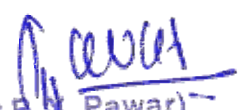
Question paper pattern for end semester theory examination

I.	Long answer questions (solve 1 out of 2)	1 X 15=15
II.	Medium Length answers (Solve 2 out of 4)	2 X 7.5=15
III.	Short answer questions (solve 3 out of 5)	3 X 5=15
IV.	Long answer questions (solve 1 out of 2)	1 X 15=15
V.	Short notes (Solve 3 out of 5)	3 X 5= 15
		Total Marks= 75

Question paper pattern for end semester practical examination

I.	Synopsis	15
II.	Experiment(s)	70
III.	Viva voce	15
		Total Marks = 100





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**Tables - 16 : Schemes for internal assessments and end semester
(Pharmaceutics - MPH)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continu- ous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceu- tical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPH 102T	Drug Delivery System	10	15	1 Hr	25	75	3 Hrs	100
MPH 103T	Modern Pharmaceu- tics	10	15	1 Hr	25	75	3 Hrs	100
MPH104T	Regulatory Affair	10	15	1 Hr	25	75	3 Hrs	100
MPH105P	Pharmaceuti- cs Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPH 201T	Molecular Pharmaceu- tics(Nano Tech and Targeted DDS)	10	15	1 Hr	25	75	3 Hrs	100
MPH 202T	Advanced Biopharmac- eutics & Pharmacokin- etics	10	15	1 Hr	25	75	3 Hrs	100
MPH 203T	Computer Aided Drug Development	10	15	1 Hr	25	75	3 Hrs	100
MPH204T	Cosmetic and Cosmeceuti- cals	10	15	1 Hr	25	75	3 Hrs	100
MPH205P	Pharmaceutics Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar Assignment	-	-	-	-	-	-	100
Total								650





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**Tables - 17 : Schemes for internal assessments and end semester
(Industrial Pharmacy–MIP)**

Course Code	Course	Internal Assessment				End Se. Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3Hrs	100
MIP102T	Pharmaceutical Formulation Development	10	15	1 Hr	25	75	3Hrs	100
MIP103T	Novel drug delivery systems	10	15	1 Hr	25	75	3Hrs	100
MIP104T	Intellectual Property Rights	10	15	1 Hr	25	75	3Hrs	100
MIP105P	Industrial Pharmacy Practical I	20	30	6 Hrs	50	100	6Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MIP201T	Advanced Biopharmaceutics and Pharmacokinetics	10	15	1 Hr	25	75	3Hrs	100
MIP202T	Scale up and Technology Transfer	10	15	1 Hr	25	75	3Hrs	100
MIP203T	Pharmaceutical Production Technology	10	15	1 Hr	25	75	3Hrs	100
MIP204T	Entrepreneurship Management	10	15	1 Hr	25	75	3Hrs	100
MIP205P	Industrial Pharmacy Practical II	20	30	6 Hrs	50	100	6Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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**Tables - 18 : Schemes for internal assessments and end semester
(Pharmaceutical Chemistry–MPC)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Mark
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3Hrs	100
MPC102T	Advanced Organic Chemistry –I	10	15	1 Hr	25	75	3Hrs	100
MPC103T	Advanced Medicinal chemistry	10	15	1 Hr	25	75	3Hrs	100
MPC104T	Chemistry of Natural Products	10	15	1 Hr	25	75	3Hrs	100
MPC105P	Pharmaceutical Chemistry Practical I	20	30	6 Hrs	50	100	6Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPC201T	Advanced Spectral Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPC202T	Advanced Organic Chemistry –II	10	15	1 Hr	25	75	3 Hrs	100
MPC203T	Computer Aided Drug Design	10	15	1 Hr	25	75	3 Hrs	100
MPC204T	Pharmaceutical Process Chemistry	10	15	1 Hr	25	75	3 Hrs	100
MPC205P	Pharmaceutical Chemistry Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



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**Tables - 19: Schemes for internal assessments and end semester examinations
(Pharmaceutical Analysis–MPA)**

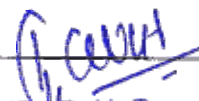
Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analysis Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPA102T	Advanced Pharmaceutical Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA103T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100
MPA104T	Food Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA105P	Pharmaceutical Analysis Practical-I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPA201T	Advanced Instrumental Analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA202T	Modern Bio-Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPA203T	Quality Control and Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100
MPA204T	Herbal and Cosmetic analysis	10	15	1 Hr	25	75	3 Hrs	100
MPA205P	Pharmaceutical Analysis Practical- II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



**Tables - 20: Schemes for internal assessments and end semester examinations
(Pharmaceutical Quality Assurance–MQA)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous	Sessional Exams		Total	Marks	Duration	
		Mode	Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MQA102T	Quality Management System	10	15	1 Hr	25	75	3 Hrs	100
MQA103T	Quality Control and Quality Assurance	10	15	1 Hr	25	75	3 Hrs	100
MQA1 04T	Product Development and Technology Transfer	10	15	1 Hr	25	75	3 Hrs	100
MQA1 05P	Pharmaceutical Quality Assurance Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MQA201T	Hazards and Safety Management	10	15	1 Hr	25	75	3 Hrs	100
MQA202T	Pharmaceutical Validation	10	15	1 Hr	25	75	3 Hrs	100
MQA2 03T	Audits and Regulatory Compliance	10	15	1 Hr	25	75	3 Hrs	100
MQA2 04T	Pharmaceutical Manufacturing Technology	10	15	1 Hr	25	75	3 Hrs	100
MQA2 05P	Pharmaceutical Quality Assurance Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650




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**Tables - 21: Schemes for internal assessments and end semester examinations
(Pharmaceutical Regulatory Affairs–MRA)**


Course Code	Course	Internal Assessment				End Semester Exams		
		Continuo Sessional Exams			Total	Marks	Duration	Total Marks
		Continuous Mode	Marks	Duration				
SEMESTER I								
MRA10 1T	Good Pharmaceutical Practices	10	15	1 Hr	25	75	3 Hrs	100
MRA10 2T	Documentation and Regulatory Writing	10	15	1 Hr	25	75	3 Hrs	100
MRA10 3T	Clinical Research Regulations	10	15	1 Hr	25	75	3 Hrs	100
MRA10 4T	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals In Indiaand ntellectual Property Rights	10	15	1 Hr	25	75	3 Hrs	100
MRA10 5T	Pharmaceutical Regulatory Affairs Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MRA20 1T	Regulatory Aspects of Drugs & Cosmetics	10	15	1 Hr	25	75	3 Hrs	100
MRA20 2T	Regulatory Aspects of Herbal & Biologicals	10	15	1 Hr	25	75	3 Hrs	100
MRA20 3T	Regulatory Aspects of Medical Devices	10	15	1 Hr	25	75	3 Hrs	100
MRA204T	Regulatory Aspects of Food & Nutraceuticals	10	15	1 Hr	25	75	3 Hrs	100
MRA20 5P	Pharmaceutical Regulatory Affairs Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650



**Tables - 22: Schemes for internal assessments and end semester examinations
(Pharmaceutical Biotechnology–MPB)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100
MPB102T	Microbial And Cellular Biology	10	15	1 Hr	25	75	3 Hrs	100
MPB10 3T	Bioprocess Engineering and Technology	10	15	1 Hr	25	75	3 Hrs	100
MPB10 4T	Advanced Pharmaceutical Biotechnology	10	15	1 Hr	25	75	3 Hrs	100
MPB10 5P	Pharmaceutical Biotechnology Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPB20 1T	Proteins and protein Formulation	10	15	1 Hr	25	75	3 Hrs	100
MPB202T	Immunotechnology	10	15	1 Hr	25	75	3 Hrs	100
MPB20 3T	Bioinformatics And Computer Technology	10	15	1 Hr	25	75	3 Hrs	100
MPB20 4T	Biological Evaluation of Drug Therapy	10	15	1 Hr	25	75	3 Hrs	10
MPB20 5P	Pharmaceutical Biotechnology Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650





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**Tables - 23: Schemes for internal assessments and end semester examinations
(Pharmacy Practice–MPP)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPP10 1T	Clinical Pharmacy Practice	10	15	1 Hr	25	75	3 Hrs	100
MPP10 2T	Pharmacotherapeutics-I	10	15	1 Hr	25	75	3 Hrs	100
MPP10 3T	Hospital Community Pharmacy	10	15	1 Hr	25	75	3 Hrs	100
MPP10 4T	Clinical Research	10	15	1 Hr	25	75	3 Hrs	100
MPP10 5P	Pharmacy Practice Practical I	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPP20 1T	Principles of Quality Use of Medicines	10	15	1 Hr	25	75	3 Hrs	100
MPP10 2T	Pharmacotherapeutics II	10	15	1 Hr	25	75	3 Hrs	100
MPP20 3T	Clinical Pharmacokinetics and Therapeutic Drug Monitoring	10	15	1 Hr	25	75	3 Hrs	100
MPP20 4T	Pharmacoepidemiology & Pharmacoeconomics	10	15	1 Hr	25	75	3 Hrs	100
MPP20 5P	Pharmacy Practice Practical II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650





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**Tables - 24: Schemes for internal assessments and end semester examinations
(Pharmacology-MPL)**

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Session Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER I								
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3Hrs	100
MPL102T	Advanced Pharmacology-I	10	15	1 Hr	25	75	3Hrs	100
MPL10 3T	Pharmacological and Toxicological Screening Methods-I	10	15	1 Hr	25	75	3Hrs	100
MPL10 4T	Cellular and Molecular Pharmacology	10	15	1 Hr	25	75	3Hrs	100
MPL105P	Experimental Pharmacology - I	20	30	6 Hrs	50	100	6Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650
SEMESTER II								
MPL201T	Advanced Pharmacology II	10	15	1 Hr	25	75	3 Hrs	100
MPL102T	Pharmacological and Toxicological Screening Methods-II	10	15	1 Hr	25	75	3 Hrs	100
MPL203T	Principles of Drug Discovery	10	15	1 Hr	25	75	3 Hrs	100
MPL204T	Clinical research and pharmacovigilance	10	15	1 Hr	25	75	3 Hrs	100
MPL205P	Experimental Pharmacology-II	20	30	6 Hrs	50	100	6 Hrs	150
-	Seminar /Assignment	-	-	-	-	-	-	100
Total								650





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**Tables - 25: Schemes for internal assessments and end semester examinations
(Pharmacognosy-MPG)**

Course Code	Course	Internal Assessment					End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration		
			Marks	Duration					
SEMESTER I									
MPAT101T	Modern Pharmaceutical Analytical Techniques	10	15	1 Hr	25	75	3 Hrs	100	
MPG10 2T	Advanced Pharmacognosy-I	10	15	1 Hr	25	75	3 Hrs	100	
MPG103T	Phytochemistry	10	15	1 Hr	25	75	3 Hrs	100	
MPG104T	Industrial Pharmacognostical Technology	10	15	1 Hr	25	75	3 Hrs	100	
MPG105P	Pharmacognosy Practical I	20	30	6 Hrs	50	100	6 Hrs	150	
-	Seminar /Assignment	-	-	-	-	-	-	100	
Total								650	
SEMESTER II									
MPG20 1T	Medicinal Plant biotechnology	10	15	1 Hr	25	75	3 Hrs	100	
MPG10 2T	Advanced Pharmacognosy-II	10	15	1 Hr	25	75	3 Hrs	100	
MPG203T	Indian system of medicine	10	15	1 Hr	25	75	3 Hrs	100	
MPG204T	Herbal cosmetics	10	15	1 Hr	25	75	3 Hrs	100	
MPG205P	Pharmacognosy Practical II	20	30	6 Hrs	50	100	6 Hrs	150	
-	Seminar /Assignment	-	-	-	-	-	-	100	
Total								650	




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Seminar/Assignment

1. **Seminar:** The evaluation of seminar for semester I & II shall be carried out as per following scheme.

a. Reference work and scientific contents	-----	10 marks
b. Communication skill	-----	05 marks
c. Discussion/defense	-----	05 marks
d. Presentation	-----	30 marks
Total	-----	50 marks

2. **Assignment:** one assignment related to any topic from the specialization shall be conducted in semester I and II.

Evaluation criteria for assignment are as follows:

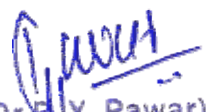
a. Structure, organization and content	-----	20 marks
b. Creativity and originality	-----	05 marks
c. Compilation of information	-----	10 marks
d. Literature resources	-----	10 marks
e. Reference style	-----	05 marks
Total	-----	50 marks

Tables - 26: Schemes for internal assessments and end semester examinations (Semester III& IV)

Course Code	Course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
SEMESTER III								
MRM30 1T	Research methodology and Biostatistics*	10	15	1 Hr	25	75	3 Hrs	100
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	50	-	-	50
-	Research work*	-	-	-	-	350	1 Hr	350
Total								525
SEMESTER IV								
-	Journal club	-	-	-	25	-	-	25
-	Discussion / Presentation (Proposal Presentation)	-	-	-	75	-	-	75
-	Research work and Colloquium	-	-	-	-	400	1 Hr	400
Total								500



*Non University Examination


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11.2 Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table - 27: Scheme for awarding internal assessment: Continuous mode

Theory	
Criteria	Maximum Marks
Attendance (Refer Table – 28)	8
Student – Teacher interaction	2
Total	10
Practical	
Attendance (Refer Table – 28)	10
Based on Practical Records, Regular viva voce, etc.	10
Total	20

Table - 28: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	8	10
90 – 94	6	7.5
85 – 89	4	5
80 – 84	2	2.5
Less than 80	0	0

Sessional Exams

Two sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical sessional examinations is given in the table. The sessional exam will be conducted for 30 marks and computed for 15 marks. The average marks of two sessional exams shall be computed for internal assessment as per the requirements given in tables.

Scheme for theory Sessional examination


I. Objective Type questions (solve 5 out of 7)	5 X 2=10
II. Short answer questions (solve 2 out of 3)	2 X 5=10
III. Long answer questions (solve 1 out of 2)	1 X 10=10
Total Marks= 30	

Scheme for Practical Sessional examination

I. Synopsis	05
II. Experiment(s)	20
III. Viva voce	05

Total Marks= 30




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12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of M.Pharm programme if he/she secures at least 50% marks in that particular course including internal assessment.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance in each semester sessional exam component of the internal assessment. The re-conduct of the sessional exam shall be completed before the commencement of end semester theory examinations.

15. Re examination of end semester examinations

Re examination of end semester examination shall be conducted as per the schedule given in table 29. The exact dates of examinations shall be notified from time to time.

Table - 29: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I and III	November / December	May / June
II and IV	May / June	November / December

16. Allowed to keep terms (ATKT):

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. ATKT rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I and II semesters till the III semester examinations. However, he/she shall not be eligible to attend the courses of IV semester until all the courses of I, II and III semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to IV semesters within the stipulated time period as per the norms.

Note: Grade AB should be considered as failed and treated as one head for deciding ATKT. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17. Grading of performances

Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table - 30.



Table – 30: Letter grades and grade points equivalent to Percentage of marks and performances

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called 'Semester Grade Point Average' (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester.

For example, if a student takes five courses (Theory/Practical) in a semester with credits C₁, C₂, C₃ and C₄ and the student's grade points in these courses are G₁, G₂, G₃ and G₄, respectively, and then students' SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4}{C_1 + C_2 + C_3 + C_4}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:


$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 * \text{ZERO}}{C_1 + C_2 + C_3 + C_4}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the IV semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all IV semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4}{C_1 + C_2 + C_3 + C_4}$$




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where C_1, C_2, C_3, \dots is the total number of credits for semester I,II,III,.... and S_1, S_2, S_3, \dots is the SGPA of semester I,II,III,....

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction	= CGPA of 7.50 And above
First Class	= CGPA of 6.00 to 7.49
Second Class	= CGPA of 5.00 to 5.99

21. Project work

All the students shall undertake a project under the supervision of a teacher in Semester III to IV and submit a report. 4 copies of the project report shall be submitted (typed & bound copy not less than 75 pages). The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

- Objective(s) of the work done 50 Marks
 - Methodology adopted 150 Marks
 - Results and Discussions 250 Marks
 - Conclusions and Outcomes 50 Marks
- Total 500 Marks

Evaluation of Presentation:

- Presentation of work 100 Marks
 - Communication skills 50 Marks
 - Question and answer skills 100 Marks
- Total 250 Marks

22. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the M.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the M. Pharm program in minimum prescribed number of years, (two years) for the award of Ranks.

23. Award of degree


Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

24. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

25. Revaluation and retotaling of answer papers



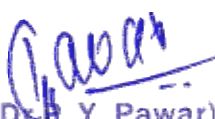

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There is provision for re-totaling and revaluation of the answer papers in any examination. The candidates can apply for revaluation/ re-totaling by paying prescribed fee.

26. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.




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SAVITRIBALPHULE PUNE UNIVERSITY

FACULTY OF SCIENCE AND TECHNOLOGY




RULES & SYLLABUS

**DOCTOR OF PHARMACY (PHARM.D) COURSE
&
DOCTOR OF PHARMACY -POST BACCALAUREATE
(PHARM.D-PB) COURSE**

(EFFECTIVE FROM ACADEMIC YEAR (2023-24))




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[PUBLISHED IN THE GAZETTE OF INDIA, No.19, PART III, SECTION 4]

Ministry of Health and Family Welfare
(Pharmacy Council of India)
New Delhi, 10th May, 2008.

Pharm. D. Regulations 2008

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

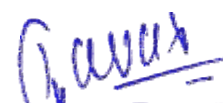
(As approved by the Government Of India, Ministry of Health vide, letter March, No.V.13013/1/2007-PMS, dated the 13th 2008 and notified by the Pharmacy Council of India).

No.14-126/2007-PCI.— In exercise of the powers conferred by section 10 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government, hereby makes the following regulations, namely:-

CHAPTER-I

1. Short title and commencement. –
 - 1) These regulations may be called the Pharm.D.Regulations 2008.
 - 2) They shall come into force from the date of their publication in the official Gazette.
2. Pharm .D. shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.




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CHAPTER-II

3. Duration of the course. –

- a) Pharm.D: The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases –

Phase I – consisting of First, Second, Third, Fourth and Fifth academic year.

Phase II – consisting of internship or residency training during sixth year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

- b) Pharm.D. (Post Baccalaureate): The duration of the course shall be for three academic years (two years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of three years duration is divided into two phases –

Phase I – consisting of First and Second academic year.

Phase II – consisting of Internship or residency training during the third year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services, and acquires skill under supervision so that he or she may become capable of functioning independently.

4. Minimum qualification for admission to. –

- a) Pharm.D. Part-I Course – A pass in any of the following examinations -

(1) 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects:

Mathematics or Biology.


(2) A pass in D. Pharm course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

(3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.




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b) Pharm.D. (Post Bacculaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

5. Number of admissions in the above said programs shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below –
 - i) Pharm.D. Programme – 30 students.
 - ii) Pharm.D. (Post Bacculaureate) Programme – 10 students.
6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (PostBacculaureate) programme will be permitted only in those institutions which arepermitted to run Pharm.D. programme.
7. Course of study. – The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subjectfor its teaching in theory, practical and tutorial shall not be less than that noted againstit in columns (3), (4) and (5) below.

T A B L E S

First Year :

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
1.6	Remedial Mathematics/ Biology**	3	3*	1
	Total hours	16	18	6 = (40)

* For Biology

As per the circular from Pharmacy Council of India (PCI) Circular No 14-126/2009-PCI/5674-72: dated 5th June 2010, the examination and evaluation for the subject of Remedial Mathematics Biology can be carried out by the Institute. For the same, students should pass these subjects with minimum of 50 % passing. It is mandatory to qualify the subjects to be eligible for the award of degree. Marks of said subject will not be considered for the award of Class 1st Y. Pharm D.



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Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
2.1	Pathophysiology	3	-	1
2.2	Pharmaceutical Microbiology	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1
2.4	Pharmacology-I	3	3	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
	Total Hours	17	12	6 = 35

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
	Total hours	16	15	5 = 36




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Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics - III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
4.7	Pharmacotherapeutics I & II*	3	3	1
	Total hours	18	15	7 = 40

* Additional subject for Pharm. D (Post Baccalaureate) students

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	(2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	-	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

* Attending ward rounds on daily basis.



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Sixth Year:

Internship or residency training including postings in specialty units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other specialty departments

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
- (2) Any person or pharmacy college to obtain permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
- (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:
- (4) Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching regarding building, accommodation, labs. Equipment, teaching staff, non- teaching staff, etc., as specified in Appendix-B to these regulations.
10. Examination. –
- (1) Every year there shall be an examination to examine the students.
 - (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
 - (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

T A B L E S

First Year Examination:

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practical's		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics and Biology**	70	30	100	70*	30*	100*
				600			600 = 1200

* For Biology



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**As per the circular from Pharmacy Council of India (PCI) Circular No 14-126/2009-PCI/5674-728 dated 5th June 2010, the examination and evaluation for the subject of Remedial Mathematics/Biology can be carried out by the Institute. For the same, students should pass these subjects with minimum of 50 % passing. It is mandatory to qualify the subject to be eligible for the award of a degree. Marks of said subject will not be considered for the award of Class for F.Y. Pharm D. Second Year Examination:

Sr.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practical's		
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100	-	-	-
2.2	Pharmaceutical Microbiology	70	30	100	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100	70	30	100
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics -I	70	30	100	70	30	100
				600			400 = 1000

Third Year Examination:

Sr.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practical's		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year Examination:

Sr.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practical's		
		Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000
4.7	Pharmacotherapeutics I & II *	70	30	100	70	30	100
				700			500 = 1200

* Additional subject for Pharm. D (Post Baccalaureate) students

Fifth Year Examination:

Sr.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practical's		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoeconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship *	-	-	-	-	-	-
5.5	Project work (Six Months)	-	-	-	-	-	-
				300			200 = 500



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* Attending ward rounds on daily basis. ** 30 marks – viva-voce (oral) 70 marks – Thesis work

The pattern for University theory examination question paper shall be as given below:

SECTION 1		
Q.1.	10 marks X 1 questions (out of two) = 10 marks	(10)
Q.2.	3 marks X 5 questions (out of seven) = 10 marks	(15)
Q.3.	5 marks X 2 questions (out of four) = 10 marks	(10)
SECTION 2		
Q.4.	10 marks X 1 questions (out of two) = 10 marks	(10)
Q.5.	3 marks X 5 questions (out of seven) = 10 marks	(15)
Q.6.	5 marks X 2 questions (out of four) = 10 marks	(10)
	Total	= 70 marks

11. Eligibility for appearing Examination: such students who produce a certificate from the Head of the Institution in which he or she has undergone the Pharm .D. or as the case may be, the Pharm .D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at the examination.

12. Mode of examinations. — (1) The theory examination shall be of three hours and the practical examination shall be of four hours duration.

(2) Practical examination shall also consist of a viva –voce (Oral) examination.

(3) Clerkship examination – Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

13. Award of sessional marks and maintenance of records:

(1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.

(2) There shall be at least two periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.

(3) The sessional marks in practicals for all subjects shall be on the following basis:-

(i) Actual performance in the sessional examination (20 marks):

(ii) Day-to-day assessment in the practical class work, promptness, viva-voce record maintenance, etc. (10 marks)



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Scheme of Sessional Practical Examination:

	Revised Practical Marks
Synopsis	05
Major Experiment	10
Minor Experiment	05
Max Marks	20
Attendance/Journal/Viva	10
Total sessional marks	30

The distribution of marks for theory sessional examination shall be as follows:-

Q.1.	2 marks X 5 questions (out of seven) = 10 marks	(10)
Q.2.	5 marks X 2 questions (out of three) = 10 marks	(10)
Q.3	10 marks X 1 questions (out of two) = 10 marks	(10)
	Total	= 30 marks




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14. Minimum marks for passing examination. — A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks. The students securing 60% marks or above in aggregate in all subjects in a single attempt at the Pharm.D. or as the case may be, Pharm. D. (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.

Theory and Practical of a particular subject are considered as individual subjects for the purpose of pass criteria.

Those candidates who fail in one or more subjects shall have to appear only in the subject so failed, in the subsequent examinations.

Declaration of class

Class shall be awarded at the end of I, II, III, IV and V year of Pharm.D. examination as shown below:

1) Distinction 75% and above

2) First Class 60% and above and less than 75% 3)

Second class 50% and above and less than 60%

The result of the successful candidate shall be classified at the end of the final year examination on the basis of the aggregate of all subjects, theory and practicals, secured by the candidate in the I to V year examinations and completes the course in 5 years, as indicated below.

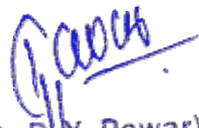
First Class: 60% and above

Second Class: 50%-59%

Candidate securing aggregate of 75% or above marks and have passed in all the subjects in a year in first attempt shall be declared to have obtained Distinction.

Passing certificate and degree certificate will be awarded only after successful completion of internship.




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15. Academic progression rule for Pharm D:

A student shall be eligible to carry forward all the subjects of **First Year till Second Year Pharm. D examinations**. However, he/she shall not be eligible to attend the Third Year Pharm. D until all the subjects of First Year Pharm. D are completed.

A student shall be eligible to carry forward all the subjects of **Second Year till Third Year Pharm. D examinations**. However, he/she shall not be eligible to attend the Fourth Year Pharm. D until all the subjects of Second Year Pharm. D are completed.

A student shall be eligible to carry forward all the subjects of **Third Year till Fourth Year Pharm. D examinations**. However, he/she shall not be eligible to attend the Fifth Year Pharm. D until all the subjects of Third Year Pharm. D are completed.

A student shall be eligible to carry forward all the subjects of **Fourth Year till Fifth Year Pharm. D examinations**. However, he/she shall not be eligible to attend the Sixth/Final Year Pharm. D internship until all the subjects of Fourth Year Pharm. D are successfully completed.

Academic progression rule for Pharm D PB:

A student shall be eligible to carry forward all the subjects of **First Year till Second Year Pharm. D PB examinations**. However, he/she shall not be eligible to attend the Third/Final Year Pharm. D PB internship until all the subjects of First Year Pharm. D PB are completed.


16. Internship.— (1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.

(2) Every student has to undergo one year internship as per Appendix-C to these regulations.

17. Approval of examinations.— Examinations mentioned in regulations 10 to 12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix-D to these regulations.

18. Certificate of passing examination.— Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.





(Dr. R. Y. Pawar)
Principal
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Vilad Ghat, Ahmednagar

CHAPTER-III

Practical training

19. Hospital posting.— Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.
20. Project work :
- (1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
- (2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.
21. Objectives of project work.: The main objectives of the project work is to
- (i) show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
- (ii) develop the students in data collection, analysis and reporting and interpretation skills.
22. Methodology : To complete the project work following methodology shall be adopted, namely:—
- (i) students shall work in groups of not less than *two* and not more than *four* under an authorized teacher;
- (ii) project topic shall be approved by the Head of the Department or Head of the Institution;
- (iii) Project work chosen shall be related to the pharmacy practice in the community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilization reviews, pharmacoepidemiology, pharmacovigilance or pharmacoconomics;
- (iv) project work shall be approved by the institutional ethics committee;
- (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
- (vi) two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.




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23. Reporting :

(1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorized teacher, Head of the Department as well as by the Head of the Institution

(2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-titles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorized teacher with font size 14.

(3) Submission of the project report shall be done at least one month prior to the Commencement of annual or supplementary examination.

24. Evaluation.: The following methodology shall be adopted for evaluating the project work:

- (i) Project work shall be evaluated by internal and external examiners.
- (ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).
- (iii) Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.
- (iv) Evaluation shall be done on the following items:

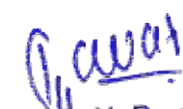
	Marks
Write up of the seminar	(7.5)
Presentation of work	(7.5)
Communication skills	(7.5)
Question and answer skills	(7.5)
Total	(30 marks)

Final evaluation of project work shall be done on the following items:

	Marks
Write up of the seminar	(17.5)
Presentation of work	(17.5)
Communication skills	(17.5)
Question and answer skills	(17.5)
Total	(70 marks)

Explanation.—For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b,c and d mentioned above.




(Dr. P. Y. Pawar)
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Vilad Ghat, Ahmednagar

1.1.1

6. Course File

Assessment & Attendance Record



Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

Dr. VITHALRAO VIKHE PATIL FOUNDATION'S

COLLEGE OF PHARMACY

VILAD GHAT, P.O.: M.I.D.C., AHMEDNAGAR - 414 111.



COURSE FILE

ATTENDANCE & ASSESSMENT RECORD

B. Pharmacy (Theory)

20 23 -20 24

Semester.....VI.....

CLASS : T.Y. B. pharmacy

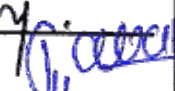
SUBJECT : Medicinal Chemistry -III (THEORY)

NAME OF THE TEACHER : Prof. Ganesh D. Borkeade

DESIGNATION : Assistant Professor

DEPARTMENT : Department of Pharma. Chemistry




(Dr. P. V. Pawar)
Principal

Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

COURSE PLANNING



A handwritten signature in blue ink, appearing to read "R. Y. Pawar".

(Dr. R. Y. Pawar)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

COURSE PLAN

Class : T.Y.B. pharmacy

Subject : Med. chemistry - III

Month	No. of Classes	Topice to be covered during the month
Dec. 2023	02	Antibiotics B-lactam Antibiotics
Jan. 2024	10	B-lactam Antibiotics Aminoglycosides Tetracyclines
Feb. 2024	10	Macrolide Antibiotics Poly peptide Antibiotics Antimalarial Agents




(Dr. P. Y. Pawar)
Principal


COURSE PLAN

Class : T.Y.B. Pharmacy

Subject : Med. Chemistry-III

Month	No. of Classes	Topic to be covered during the month
March 2024	10	Antimicrobial & Antiviral Agents Anti-TB Agents Antileprosy Agents Antiviral Agents
April - 2024	10	Antifungal Agents Antiprotozoal Agents Anthelmintics Synthetic anti-infective Agents
May - 2024	06	Conclusion & Anti neoplastic Agents




(Dr. P. Y. Pawar)
Principal

Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Academic Year 2023-24

SemesterVI.....

From.....26th December.....2023





To.....04th May.....2024

Class

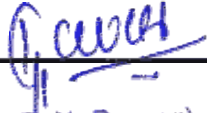
T.Y. B. Pharmacy.....

Subject Name

Medicinal Chemistry -III.....

	Staff Member	Head of the Department	Academic Incharge	Principal
Signature with Date	 (Prof. G. D. Badale)			




(Dr. P. Y. Pawar)
Principal
Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Examination Record (B.Pharm)										
Attendance Record			Continuous Mode			Sessional Record(25 M)				Total Marks(25)
Roll No.	Atten-ded	%	Attend. (04)	Academic Activity (04)	Student Teacher Interaction (02)	Sessional		Avg. (15)	Ressional (15)	
						I (15)	II (15)			
1	47	98	4	4	2	12	12	12		22
2	45	94	4	4	2	11	11	11		21
3	48	100	4	4	2	10	10	10		20
4	46	96	4	4	2	11	10	11		21
5	47	98	4	4	2	12	11	12		22
6	47	98	4	4	2	12	11	12		22
7	48	100	4	4	2	10	9	10		20
8	47	98	4	4	2	9	8	9		19
9	48	100	4	4	2	9	8	9		19
10	47	98	4	4	2	6	4	5		15
11	46	96	4	4	2	9	8	9		19
12	46	96	4	4	2	6	8	7		17
13	46	96	4	4	2	13	12	13		23
14	46	96	4	4	2	12	11	12		22
15	48	100	4	4	2	9	10	10		20
16	48	100	4	4	2	6	6	6		16
17	48	100	4	4	2	7	9	8		18
18	47	98	4	4	2	11	10	11		21
19	47	98	4	4	2	12	13	13		23
20	48	100	4	4	2	13	11	12		22
21	48	100	4	4	2	12	11	12		22
22	46	96	4	4	2	10	9	10		20
23	48	100	4	4	2	12	10	11		21
24	47	98	4	4	2	11	11	11		21
25	47	98	4	4	2	13	12	13		23
26	47	98	4	4	2	11	11	11		21
27	48	100	4	4	2	11	10	11		21
28	47	98	4	4	2	11	9	10		20
29	47	98	4	4	2	11	11	11		21
30	48	100	4	4	2	8	10	9		19
31	47	98	4	4	2	12	11	12		22
32	47	98	4	4	2	11	11	11		21
33	47	98	4	4	2	13	12	13		23
34	47	98	4	4	2	13	12	13		23
35	48	100	4	4	2	4	8	6		16
36	47	98	4	4	2	12	10	11		21
37	48	100	4	4	2	7	7	7		17
38	48	100	4	4	2	7	8	8		18
39	47	98	4	4	2	8	6	7		17
40	48	100	4	4	2	12	12	12		22
41	47	98	4	4	2	7	9	8		18
42	48	100	4	4	2	11	12	12		22
43	46	96	4	4	2	8	10	9		19
44	45	94	4	4	2	13	11	12		22
45	46	96	4	4	2	11	12	12		22



Principal
Dr. Y. Pawar

Attendance Record			Examination Record (B.Pharm)						
Roll No.	Atten-ded	%	Continuous Mode			Sessional Record(25 M)			Total Marks(25)
			Attend. (04)	Academic Activity (04)	Student Teacher Interaction (02)	Sessional		Avg. (15)	
						I (15)	II (15)		
46	48	100	4	4	2	11	9	10	20
47	46	96	4	4	2	9	10	10	20
48	47	98	4	4	2	12	12	12	22
49	47	98	4	4	2	10	11	11	21
50	48	100	4	4	2	11	10	11	21
51	47	98	4	4	2	11	11	11	21
52	48	100	4	4	2	12	11	12	22
53	47	98	4	4	2	9	8	9	19
54	48	100	4	4	2	11	10	11	21
55	47	98	4	4	2	13	12	13	23
56	48	100	4	4	2	13	11	12	22
57	48	100	4	4	2	12	11	12	22
58	47	98	4	4	2	10	9	10	20
59	47	98	4	4	2	11	9	10	20
60	48	100	4	4	2	11	12	12	22
61	47	98	4	4	2	9	9	9	19
62	48	100	4	4	2	9	9	9	19
63	47	98	4	4	2	10	8	9	19
64	47	98	4	4	2	13	12	13	23
65	48	100	4	4	2	9	10	10	20
66	47	98	4	4	2	12	12	12	22
67	47	98	4	4	2	2	3	3	13
68	47	98	4	4	2	12	12	12	22
69	47	98	4	4	2	13	11	12	22
70	48	100	4	4	2	11	10	11	21
71	48	100	4	4	2	12	10	11	21
72	47	98	4	4	2	12	11	12	22
73	48	100	4	4	2	8	7	8	18



(Signature)
(Dr. Y. Patil)
Principal

Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

RECORD OF CLASS

Lecture No.	Date	Topics Covered
1	26/12	Introduction of Medi chem.
2	27/12	Antibiotics Introduction
3	1/1	B-lactam Antibiotics
4	2/1	Penicillins
5	3/1	penicillines
6	8/1	penicillines
7	9/1	Cephalosporins
8	10/1	Cephalosporins
9	16/1	Cephalosporins.
10	17/1	B-lactamase inhibitors
11	22/1	Monobactams
12	23/1	Aminoglycosides
13	24/1	Tetracyclines
14	29/1	Tetracyclines
15	30/1	Antibiotics - Poly peptide & Misc.
16	3/1/1	Antimalarial Agents
17	20/2	Quinolines
18	21/2	Biguanides & Dihydro thiazines
19	22/2	Misc.
20	23/2	Anti tubercular Agents
21	27/2	Anti tubercular Agents
22	29/2	Antileprosy Agents, Antiviral Agents
23	1/3	Antiviral Agents - DNA inhibitors
24	6/3	Antiviral Agents - RNA inhibitors
25	11/3	Anti-HIV.
26	12/3	Synthesis
27	13/3	Antifungal Agents & Antibiotics
28	13/3	Synthetic Antifungal Agents
29	14/3	Antiprotozoal Agents
30	15/3	Antiprotozoal Agents
31	18/3	Anthelmintics
32	19/3	Synthetic Anti-infective Agents
33	20/3	Sulphonamides
34	27/3	Sulphonamides
35	28/3	Folate reductase Inhibitors.
36	3/4	Quinolones
37	4/4	Miscellaneous
38	5/4	Synthesis.
39	12/4	Anti-neoplastic Agents
40	13/4	Alkylating Agents
41	15/4	Antimetabolites
42	18/4	Antibiotics
43	19/4	Plant products.

Signature of Subject Teacher -

Panade



Pawar
(Dr. P. Y. Pawar)
Principal

Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

REMEDIAL CLASS RECORD

ATTENDANCE

Roll No.	Name	11/1	11/1	11/1	20/12	11/3	19/4	27/4
		1	2	3	4	5	6	7
12.	Bhutar Atarya V.	P	P	P	P	P	P	P
15.	chavhan Rushikesh P.	P	P	P	P	P	P	P
32.	Joshi Krishna A.	P	P	P	P	P	P	P
38.	Kapare vaishanvi P.	P	P	P	P	P	P	P
51.	pandhare Anuj A.	P	P	P	P	P	P	P



Signature of Subject Teacher - *Gosakode*

(Signature)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar



Dr. Vithalrao Vikhe Patil
Foundation
Ahmednagar

Dr. VITHALRAO VIKHE PATIL FOUNDATION'S

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COURSE FILE


ATTENDANCE & ASSESSMENT RECORD

B. Pharmacy (Practical)

2023 -2024

Semester.....VI.....




(Dr. P. Y. Pawar)
Principal

Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

CLASS : T.Y.B. pharmacy

SUBJECT : Medicinal chemistry -III (PRACTICAL)


NAME OF THE TEACHER : Prof. Ganesh D. Bartcade

DESIGNATION : Assistant Professor

DEPARTMENT : Department of pharma. Chemistry

COURSE PLANNING




(Dr. P. Y. Pawar)
Principal
Dr.V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar


COURSE PLAN

Class : I.Y.B. Pharmacy

Subject : Medi. Chemistry - III

Month	No. of Classes	Topic to be covered during the month
January- 2024	05	1] To prepare and submit 7-Hydroxy-4-methyl coumarin from Resorcinol. 2] To prepare & submit triphenyl imidazole from benzil. 3] To prepare and submit paracetamol from p-aminophenol. 4] To prepare & submit Hexamine from Formaldehyde.
February 2024	03	5] To prepare & submit chlorobutanol from acetone 6] To prepare & submit Sulphanilamide from acetanilide. 7] To prepare and submit Aspirin by using microwave assisted synthesis.
March	03	8] To prepare & submit phenytoin by using microwave assisted synthesis 9] To draw chemical structure and reaction schemes using ChemDraw. 10] To determine physicochemical & toxicity properties using free online services




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Vilad Ghat, Ahmednagar


COURSE PLAN

Class : T.Y.B. Pharmacy

Subject : Medi. chemistry - III

Month	No. of Classes	Topice to be covered during the month
April	01	Revision .




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Academic Year 2023-24

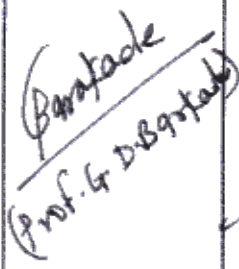

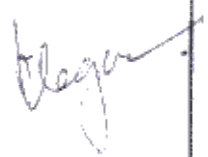

SemesterVI.....

From 26th December 2023

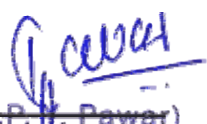
To 04th May 2024

Class
T.Y. B. Pharmacy

Subject Name
Medicinal Chemistry-III

	Staff Member	Head of the Department	Academic Incharge	Principal
Signature with Date	 (Prof. G. D. Bantale)			

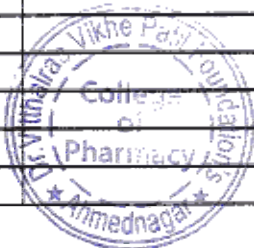



(Dr. P. H. Pawar)
Principal
Dr. V.V.P.F.'s College of Pharmacy
Vilad Ghat, Ahmednagar

Attendance Record

Daily Assessment (B. Pharm)

Exam Seat No.	Roll No.	Name	Atten-ded	%	Continuous Mode		Sessional Record			Total Marks (15)	
					Attend (02)	Pr.Record & Viva (03)	Sessional		Avg. (10)		Ressional (10)
							I (10)	II (10)			
	26						08	08	08	13	
	27						07	08	08	13	
	28						05	08	07	12	
	29						08	08	08	13	
	30						08	09	09	14	
	31						08	09	09	14	
	32						08	08	08	13	
	33						09	09	09	14	
	34						08	09	09	14	
	35						05	08	07	12	
	36						06	07	07	12	
	37						05	07	06	11	
	38						07	07	07	12	
	39						06	06	06	11	
	40						08	09	09	14	
	41						05	09	07	12	
	42						08	09	09	14	
	43						06	09	08	13	
	44						08	09	09	14	
	45						07	09	08	13	
	46						07	08	08	13	
	47						07	09	08	13	
	48						08	08	08	13	
	49						06	08	07	12	
	50						07	08	08	13	



[Signature]
 (Dr. Y. Pawar)
 Principal

Dr. V. V. P. F.'s College of Pharmacy
 Vilad Ghat, Ahmednagar

Batch C

SUBJECT : Medicinal Chemistry - I

ATTENDANCE

Exam Seat No.	Roll No.	Name	Date	03/01	10/01	23/01	21/02	28/02	13/03	20/03	27/3	Exam	08/4	15/4	22/4	Revision
			Month Year	1	2	3	4	5	6	7	8	9	10	11	12	13
✓ 51.		Pandhore Anui A.		A	P	P	P	P	A	P	P	P	P	P	P	P
✓ 52.		Pardeshi Aarya Sachin.		A	P	P	P	P	P	P	P	P	P	P	P	P
✓ 53.		Patange Atharva Sanjay.		A	A	P	P	P	A	P	P	P	P	P	P	P
✓ 54.		Pathare Purva Goraksha.		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 55.		Patil chaintanya Dipak.		A	P	P	P	P	A	A	P	P	P	P	P	P
✓ 56.		Pawar Nikita Vishwas		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 57.		Pawar Vishal Jagannath.		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 58.		Pawara Ashwini Zingya.		A	P	P	P	P	P	P	P	P	P	P	P	P
✓ 59.		Pitale Kirti Sandipaa		P	P	P	P	P	A	P	P	P	P	P	P	P
✓ 60.		Rashinkar Shubhangi R.		A	P	P	P	P	P	P	P	P	P	P	P	P
✓ 61.		Rathod Pratham Prashant.		A	A	P	P	P	P	A	P	P	P	P	P	P
✓ 62.		Sale Satyam Santosh.		A	A	A	A	P	P	P	P	P	P	P	P	P
✓ 63.		Sapre Tejasvi Saharam.		A	P	A	P	P	P	P	P	P	P	P	P	P
✓ 64.		Saraf Sakshi Pradip.		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 65.		Sarode Shubhada Suyag.		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 66.		Saykar Sayali mahadev.		P	P	P	P	P	P	A	P	P	P	P	P	P
✓ 67.		Sayyed Asrar Arif		A	A	A	A	P	A	A	P	P	P	P	P	P
✓ 68.		shinde Vinaya vishal.		P	P	P	A	P	P	P	P	P	P	P	P	P
✓ 69.		Somwanshi Nilesh D.		A	A	P	P	P	P	P	P	P	P	P	P	P
✓ 70.		Sorawani Radhika Ajay		A	P	P	P	P	P	P	P	P	P	P	P	P
✓ 71.		Tabali Sharmin R.		P	P	P	P	P	P	P	P	P	P	P	P	P
✓ 72.		Tingote Tshika Rajendra		A	P	P	P	P	P	P	P	P	P	P	P	P
✓ 73.		Wani Pramila Ashok.		A	A	P	P	P	P	A	P	P	P	P	P	P

Exam 1

Exam 2



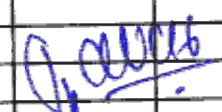
(Signature)
 (Dr. V. Pawar)
 Principal

Dr. V.V.P.F.'s College of Pharmacy
 Vilad Ghat, Ahmednagar

Regular

RECORD OF TUTORIAL WORK

Practical No.	Title	Batch A	Batch B	Batch C	Batch D	Batch E
1.	To prepare and submit 7-Hydroxy 4-methylcoumarin from resorcinol.	01/01/24	02/01/24	03/01/24	-	-
2.	To prepare and submit triphenyl imidazole from benzil.	08/01/24	09/01/24	10/01/24	-	-
3.	To prepare and submit paracetamol from p-aminophenol	24/01/24	30/01/24	31/01/24	-	-
4.	To prepare and submit Hexamine from formaldehyde.	11/3/24	20/1/24	21/01/24	-	-
	First sessional Exam	26/2/24	27/2/24	28/2/24	-	-
5.	To prepare & submit chloro-butano1 from acetone	18/3/24	12/3/24	13/3/24	-	-
6.	To prepare & submit Sulphanilamide from acetanilide	25/3/24	19/3/24	20/03/24	-	-
7.	To prepare & submit Aspirin by using microwave assisted reaction.	06/04/24	26/3/24	27/3/24	-	-
8.	To prepare & submit phenanthroline by using microwave assisted reaction	09/04/24	27/4/24	28/4/24	-	-
9.	To draw chemical structure & reaction schemes using ChemDraw.	13/4/24	14/4/24	15/4/24	-	-
10.	To determine physicochemical & toxicity properties using free online services	20/4/24	24/4/24	22/4/24	-	-


 (Dr. P. Y. Pawar)
 Principal

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Signature of Subject Teacher -

