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Criteria No: 2

Metric No: 2.5.1

File Name: Internal Assessment

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B. PHARMACY PATTERN 2019

EVALUATION GUIDELINES FOR INTERNAL ASSESSMENT (B.PHARMACY) :

Each semester will consist of a minimum of 15 weeks instructions.

*i.e. $15 \times 6 = 90$ instructional days (minimum instructional days)

75% attendance for both theory and practical classes separately shall be mandatory to appear for Sessional examination and end semester examination.

In-semester assessment will be of 40 marks which includes 30 marks for theory and 40 marks practical sessional and 20 marks for continuous assessment for theory and practical.

In-semester assessment 20 marks should be continuous, procedures and marks for theory and practical examination are as follows:

For theory and practical examination- In-semester assessment for 20 marks should be continuous and at least two tests should be conducted for full course of 3 credits for theory and 2 credits for practical and the teacher must select a variety of procedures for examination such as:

- Written test and / or midterm test (not more than one or two for each course)
- Term paper
- Journal/Lecture/Library notes
- Seminar presentation
- Short quizzes
- Assignments
- Extension work
- An open book test (with the concern teacher deciding what books are to be allowed for this purpose) or
- Mini research project by individual learner or group of learners.

The concern teacher in consultation with the Principal or CEO shall decide the nature of question for unit test.

Sessional Exam	30 Marks	
Continuous Assessment	20 Marks	Any two Academic Activities consisting 10 marks more or less for each activity, but the sum of each activities should not be more or less than 20 Marks.



Number of Sessional Examination

There will be a minimum for one Sessional examination of 30 marks conducted in each semester.

Two Sessional Examination will be conducted as per the examination scheme :

Sr.No.	Head	Marks distribution
Q.1	2 marks X 5 questions (out of seven)	10 marks
Q.2	10 marks X 1 question (out of two)	10 marks
Q.3	5 marks X 2 question (out of three)	10 marks
	Total	30 marks

The student who will secure less than 40% marks in the Sessional Examination or unable to appear for the scheduled Sessional Examination may be permitted for the Sessional Examination in the same semester only if approved by institutional examination committee.

Practical Sessional examination of 20 marks will be based on internal assessment of practical (Experimental work), viva, synopsis and laboratory work. The distribution of marks for practical examination will be as follows:

Scheme for Practical Sessional Examination:

Sr.No.	Head	Marks distribution
1.	Experimental work	25 marks
2.	Synopsis	10 marks
3.	Viva	5 marks
	Total Marks	40 marks
	Duration	04 Hrs



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Internal Assessment: Continuous mode

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

THEORY		
CRITERIA	MAXIMUM MARKS	
Attendance	4	2
Academic activities(average of any three activities eg. Quiz, Assignment, Open Book Test, Field Work, Group Discussion and Seminar)	3	1.5
Student-Teacher Interaction	3	1.5
Total	10	5
PRACTICAL		
Attendance	2	
Based on practical records, regular viva-voce, etc	3	
Total	5	

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

Sessional Exams

Two Sessional exams are conducted for each theory or practical course as per the schedule fixed by the college. The scheme of question paper for theory and practical Sessional examination is given below. The average marks of two Sessional exams shall be completed for internal assessment as per the requirements.



Question paper pattern for theory Sessional Examination

For subject having University examination

I. Objective Type Question (Answer 5 out of 7)	=	05 x 02 = 10
II. Long Answers (Answer 1 out of 2)	=	01 x 10 = 10
III. Short Answers(Answer 2 out of 3)	=	02 x 05 = 10
Total	=	<u>30 marks</u>

For Subjects having Non-University Examination

- I. Long Answer(Answer 1 out of 2)
- II. Short Answer(Answer 4 out of 6)

Question paper pattern for practical Sessional examination

I. Synopsis	=	10
II. Experiments	=	25
III. Viva voce	=	05
Total	=	<u>40 marks</u>



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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)



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

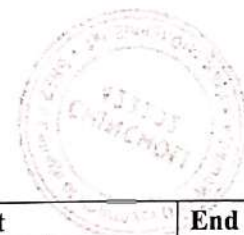


Semester III

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	PhysicalPharmaceuticsI –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



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



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



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

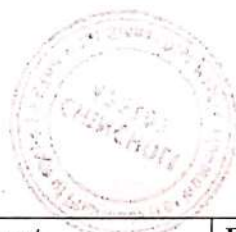
2023-24
 10/10/2023
 10/10/2023

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



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	-	-	-	-	150	4 Hrs	150
Total		40	60	4 Hrs	100	450	16 Hrs	550



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S
MASTER OF PHARMACY COURSE STRUCTURE
SPECIALIZATION : QUALITY ASSURANCE
TECHNIQUES

Paper

Sem. No	Paper	Scheme of Teaching Hrs/Weeks		Scheme of Credit		Scheme of Examination Theory			Practical			Total (Including 50 marks of Internal assessment)	
		Theory	Practical	Theory	Practical	Hrs.		Marks		Hrs.	Marks		
						UE	IE	UE	IE		UE		IE
I	M Advanced Analytical Techniques	4	8	4	4	3		50	50	8	50	50	200
	M-2 Research Methodology	4		4		3		50	50				100
	M-I-1 Advanced Quality Assurance Techniques (CGMP & Documentation)	4	8	4	4	3		50	50	8	50	50	200
	M-I-2 Elective-I	3		3		3		50	50				100
	Seminar				2				50				50
II	M-I-3 Pharmaceutical Validation	4	8	4	4	3		50	50	8	50	50	200
	M-3 Drug Regulatory Affairs	4		4		3		50	50				100
	M-I-4 Quality Planning and Analysis	4		4		3		50	50				100
	M-I-5 Elective-II	3		3		3		50	50				100
	Seminar		4		2				50				50
	Research work		12		6				50				50
III	Seminar on Research Envisaged for Dissertation				4			50					50
	Seminar on recent trends in Quality Assurance Techniques				4				50				50
	Research work		36		18				150				150
IV	Seminar on Dissertation				4			50					50
	Research work		36		18			150					150
	Dissertation & Defense (viva/voce)			5				100					100
			Total	30	70						Grant Total		1800
			Total Credits = 100										



M. PHARMACY PATTERN 2019
ASSESSMENT PROCESS FOR M PHARMACY

Internal assessment: Continuous mode

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

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

Guidelines for the allotment of marks for attendance

% 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) $5 \times 2=10$
 - II. Short answer questions (solve 2 out of 3) $2 \times 5=10$
 - III. Long answer questions (solve 1 out of 2) $1 \times 10=10$
- 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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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



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



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ACADEMIC CALENDAR
(June 2021-May 2022)

Week No.	Month	Week Days						Working days	Events
		Mon	Tue	Wed	Thu	Fri	Sat		
1	June 21		1	2	3	4	5	4	1-5 Regular lecture
2		7	8	9	10	11	12	6	7-12-Regular lecture
3		14	15	16	17	18	19	5	17-Webinar
4		21	22	23	24	25	26	6	22-online Guest lecture
5		28	29	30				3	30-Teaching staff meeting
6	July 21				1	2	3	2	1-Newsletter of Last Six Months
7		5	6	7	8	9	10	6	9-Blood Donation Camp
8		12	13	14	15	16	17	5	12 to 17-Organization of FDP
9		19	20	21	22	23	24	4	20- Bakri Id 21- Aashadi Ekadashi
10		26	27	28	29	30	31	6	26-Subject Choice for AY 2021-22 31-Month End & Research Meeting
11	Aug 21	2	3	4	5	6	7	5	2-Subject Allotment for AY 2021-22 3-Preparation of Academic Time Table4-M. Pharm Sem. IV Viva
12		9	10	11	12	13	14	6	11-Display Time Table on Notice Board
13		16	17	18	19	20	21	4	19- Muharram 20- Orientation Program of Staff Members
14		23	24	25	26	27	28	6	23-Reopening of Sem. III, V & VII, M. Pharm.Sem. III
15		30	31					2	30- Admission Meeting 31- Month End & Research Meeting
16	Sep 21			1	2	3	4	3	3-Swach Bharat Abhiyaan (NSS Activity)
17		6	7	8	9	10	11	5	10-Ganesh Chaturthi 11-EDP
18		13	14	15	16	17	18	5	13- Soft Skill Training for TY & Final Year 14-Industrial Visit for Second Year B. Pharm
19		20	21	22	23	24	25	6	20- Organization of Value addition courses 25- Mock interview (TY & Final Year)
20		27	28	29	30			4	27-Synopsis Submission of M. Pharm Sem. III 30- Month End & Research Meeting
21	Oct 21					1	2	1	1- Soft Skill Training for TY & Final Year 1-Feedback of Students (Online)
22		4	5	6	7	8	9	6	19-Internal Academic Audit 5-Industrial Visit for Third Year
23		11	12	13	14	15	16	4	14- Soft Skill Training for Third Year 15-Dussehra





24		18		20	21	22	23	5	19- Id-E-Milad 20- GB and CDC Meeting 22-Industrial Visit for Final Year 23- Alumni Overview meeting
25		25	26	27	28	29	30	6	25- First Sessional Exam of III, V & VII 29- Mock interview (TY & Final Year) 30- Month End & Research Meeting
26	Nov 21	1	2	3				3	1-Reopening of First yr. B.Pharm and M.Pharm 4 to 6-Diwali
27		8	9	10	11	12	13	6	12- HR Meet 13- Soft Skill Training for TY & Final Year
28		15	16	17	18			4	18- Parents Meet 19- Guru Nanak Jayanti
29		22	23	24	25	26	27	6	22- Second Sessional Exam of III, V, VII 23- Industrial Visit for First Year B. Pharm 27- Mock interview (TY & Final Year)
30		29	30					2	30- Soft Skill Training for TY & Final Year 30- Month End & Research Meeting
31				1	2	3			3
32	Dec 21	6	7	8	9	10	11	6	6- Soft Skill Training for TY & Final Year
33		13	14	15	16	17		5	13-20-NSS camp 13- University Exam of SY, TY & Final Year
34		20	21	22	23	24		5	24- Mock interview (TY & Final Year) 25-Christmas
35		27	28	29	30	31		5	27- Soft Skill Training for TY & Final Year 30- Feedback of Students (Offline) 31-Newsletter of Last Six Months 31- Month End & Research Meeting 31-Padmabhushan Balasheb Vikhe Patil Punyatithi 31-Tree Plantation
36	Jan 22								1-Saturday Holiday
37		3	4	5	6	7	8	6	3-Reopening of First year B.Pharm and M.Pharm 7-Freshers Party
38		10	11	12	13	14		5	10-22 Semester exam of II, V, VI, VIII sem, IIIrd sem M.Pharm Regular lecture of First year B.Pharm and M.Pharm
39		17	18	19	20	21	22	6	10-22 Semester exam of II, V, VI, VIII sem, IIIrd sem M.Pharm
40		24	25	26	27	28	29	5	24-Reopening for IV, VI, VIIIth sem 26-Republic Day
41		31						1	31-Teaching staff meeting
42		Feb 22		1	2	3	4		4
43	7		8	9	10	11	12	6	07-First Sessional Exam, 8th Sem 10-Industrial visit for 1st sem





44		14	15	16	17	18	19		14-17-Sports and cultural days 18-Annual social gathering 19-Shivjayanti
45		21	22	23	24	25	26		22-Industrial Visit for VIth sem
46		28							28 Teaching staff meeting
47	March 22		1	2	3	4		3	1-Akshay Tritiya 3-Webinar
48		7	8	9	10	11	12	6	8-Guest lecture for VIIIth sem 11-Industrial visit for VIth sem
49		14	15	16	17	18	19	5	15-Industrial visit for Ist sem
50		21	22	23	24	25	26	6	21- Regular Lectures for Sem. II, VI, VI VIII and M. Pharm
51		28	29	30	31			4	28-Kanya Ratna Abhiyan, Sessional exam of I and M. Pharm Ist sem 31-Teaching staff meeting
52						1	2	1	1-Guest lecture for Ist sem
53	Apr 22	4	5	6	7	8	9	6	5-8 -Sessional Practical Exam of I,IV,VI,VIIIth sem 7- M.Pharm Ist sem Pract exam
54		11	12	13	14	15	16	4	14- Dr. Babasaheb Ambedkar Jayanti 15- Goodfriday 13-Farewell for VIIIth sem
55		18	19	20	21	22	23	6	18-23 Semester Practical exam of IV,VI,VIIIth sem andM.Pharm Ist sem
56		25	26	27	28	29	30	6	26-First Sessional Exam Sem. II & VI 27-Padmashree Vitthalrao vikhe Patil Death Aniversary
57		2	3	4	5	6		5	05-Padmabhushan Dr. Balasaheb Vikhe Patil Birth Aniversary
58	May 22	9	10	11	12	13	14	6	Regular Lectures and Practicals for Sem. II, VI, VI VIII and M. Pharm
59		16	17	18	19	20		4	17-Second Sessional Exam Sem. IV, VI, VIII 16-Boodhapoornima
60		23	24	25	26	27	28	6	25-Thesis Submission of M.Pharm IVth Sem 26-28-Project Seminar of Sem. VIII
61		30	31					2	31-Teaching staff meeting
62	June 22			1	2	3		3	01-Semester Practical Exam Sem. IV, VI & VIII
63		5	6	7	8	9	10	6	05-World Environment Day 6-Second Sessional Exam Sem. II
64		11	12	13	14	15		5	12- Semester Practical Exam Sem. II
65		17	18	19	20	21	22	6	17-Second Sessional Exam of Sem. IV, VI & VIII M. Pharm Sem. II





67	29	30				2	30- Teaching staff meeting
Total Working Days						217	
Working Days with Activity		University Exams		Teaching Working Days		Holidays	
33		28		197		34	

[Handwritten Signature]

Prepared By

[Handwritten Signature]

Approved By

Principal
College of Pharmacy, Chincholi
Tal. Sinnar, Dist. Nashik 422102



[Handwritten Signature]
PRINCIPAL
PRES's College of Pharmacy (For Women),
Chincholi, Sinnar, Nashik-422102.



LOKNETE DR. BALASAHEB VIKHE PATIL
(PADMA BHUSHAN AWARDEE)
PRAVARA RURAL EDUCATION SOCIETY'S
COLLEGE OF PHARMACY (FOR WOMEN)
NASHIK

Evaluation Of Internal Continue Assessment

Year 2021-22

Name of subject: Pharmacognosy & Phytochemistry-I

Subject code: BP405T

Class : Third year B Pharmacy

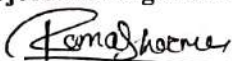
Sem:IV

Sr.No.	Date	Methods of Assessment	Maximum Marks
1.		Sessional Exam	20
2.		Assignment	10
3.		Short Quiz_testmoz	10
Total Marks			40

(In-semester assessment will be of 40 marks which includes 20 marks for theory and practical Sessional and 20 marks for continuous assessment for theory and practical. Minimum two procedures of examination for theory and practical continuous assessment should be selected from below:

1. Written test and/or midterm test
2. Assignments
3. An open book test
4. Seminar presentation
5. Short Quizzes
6. Journal
7. Term Paper
8. Mini research project (by individual learner or group of learners)

Name of Subject Incharge : Mrs. Roma M. Sharma

Signature : 



Second Year B. Pharmacy-IV Semester (Rev. 2019 Pattern_PCI)

BP405T-Pharmacognosy & Phytochemistry (Theory)

Internal Continuous Assessment Sheet 2021-22

Roll No.	Name of Student	Average of Sessional Marks	Attendance	Average of Academic Activities	Student-Teacher Interaction	Total	Signature
		15 M	4 M	4 M	2 M	25 M	
1	ADHAGALE JOTSHNA RAJENDRA	8	3	3	1	14	
2	AMBEKAR UTKARSHA RAJENDRA	10	4	3	2	19	
3	AVHAD ARATI SUBHASH	11	4	3	2	20	
4	AVHAD RUTUJA SHANTARAM	10	4	3	2	18	
5	BENDKULE PUNAM ASHOK	10	4	3	2	18	
6	BHATJIRE SAMRUDDHI KIRAN	13	4	3	2	22	
7	BIRAJADAR SAKSHI DHANANJAY	11	4	3	2	20	
8	BOROLE PAYAL GUNWANT	13	4	3	2	22	
9	CHAKOR NIKITA SATISH	13	4	3	2	22	
10	CHAUDHARI AMRUTA MINNATH	5	3	2	2	12	
11	DAMODAR ANKITA ASHOK	10	4	3	2	18	
12	DARUNTE RUTUJA SUNIL	10	4	3	2	19	
13	DHUMAL VAISHNAVI NANASAHEB	3	4	2	2	10	
14	GANORKAR PRIYANKA SANTOSH	6	4	2	2	14	
15	GAPHALE SHRADHA BABAN	9	4	2	2	18	
16	GHUMARE BHUMIKA JAYANT	12	4	3	2	21	
17	GHUMARE PRAJAKTA MADHUKAR	11	4	3	2	21	
18	GONDKAR SONAL	12	4	2	2	20	
19	GURGUDE HARSHADA NANASAHEB	9	4	2	2	16	
20	JADHAV SHITAL SANJAY	9	4	2	2	17	
21	JOSHI ADITI ARUN	11	4	3	2	20	
22	JOSHI KETAKI HEMANT	10	4	2	2	17	
23	KALE PRATIKSHA DILIP	11	4	3	2	20	
24	KANDALKAR KOMAL SANJAY	11	4	2	2	19	
25	KARAD RUTAJA SHIVAJI	10	4	3	2	19	
26	KOKATE ISHWARI SHIVAJI	9	3	2	2	16	
27	KOKATE SNEHAL SHANTARAM	11	4	2	2	19	
28	KULKARNI SHREYA KISHOR	9	4	2	2	17	
29	LABADE SAYALI RAVINDRA	8	3	3	2	16	



30	LOKHANDE AKSHITA SANJAY	12	4	3	2	21
31	MANE AKANKSHA SHAILESH	12	4	3	2	21
32	MHASE SEJAL ANIL	7	4	2	2	15
33	MORE PRACHI SUBHASH	10	4	3	2	18
34	NAIR ADITI VINUMON	9	4	3	2	17
35	NATH BHAGYASHREE DATTU	10	4	2	2	18
36	NIMBALKAR ASHWINI VALMIK	7	4	3	2	16
37	PAGARE GEETA CHANGDEO	7	3	2	2	14
38	PALDE VAISHNAVI KISAN	11	4	3	2	20
39	PATIL NAVELI KIRANKUMAR	12	4	3	2	20
40	PATIL PRIYANKA YUVRAJ	7	3	3	2	14
41	PATIL TEJAS RAJARAM	9	4	3	2	18
42	PAWAR ANISHA NITIN	12	4	3	2	21
43	SAHARE VIDYA KRUSHNA	10	4	3	2	19
44	SANAP KANCHAN RAMESH	11	4	3	2	20
45	SANGLE GAYATRI RAMESH	10	4	3	2	19
46	SARODE LAXMI SUSHANT	8	3	3	2	15
47	SATPUTE MADHURI GAJENDRA	10	4	3	2	18
48	SAWANT ANKITA DATTATRAYA	11	4	3	2	20
49	SHAIKH SUZAIN ZULFIKAR	9	4	3	2	18
50	SONAWANE JAGRITI SAMADHAN	11	4	2	2	19
51	TAKATE HARSHADA RADHAKISAN	10	4	3	2	19
52	TAKLE RIYA RAMAKANT	10	4	3	2	19
53	TALPADE JAYASHREE GANGARAM	12	4	3	2	21
54	THORAT ANKITA SATISH	10	4	3	2	18
55	TUNGAR RAJESHWARI BANDU	5	4	2	2	13
56	TUPE ANURADHA PRAMOD	9	4	2	2	17
57	UGALE ARATI SOMNATH	9	4	3	2	18
58	UGALE KIRAN VASANT	5	4	3	1	13
59	VATPADE TANAVI SANTOSH	8	4	3	2	17
60	WAGH MANASI RAJU	8	4	3	2	17
61	WALZADE SHRUTI MILIND	9	4	3	2	18
62	WARUNGASE VAISHNAVI SUNIL	7	3	2		14
63	YELMAME SANDHYA VINOD	9	4	3	2	18
64	ZALTE MAYURI SANJAY	6	3	3		13
65	DESHMUKH CHAITALI	10	4	3		19



66	GAVIT RENUKA SUKALAL	8	4	3	2	17	
67	GITE SONALI BHIKAJI	12	4	3	2	21	
68	JADHAV DIVYA	10	4	3	2	19	
69	JONDALE SAKSHI VIJAY	10	4	3	2	19	
70	KAMBLE GAURI KAMLAKAR	11	3	3	2	19	
71	KOKATE TRUPTI RAGHUNATH	12	4	3	2	21	
72	RAUT ARTI SAMPAT	10	3	3	2	17	
73	SHINDE SHITAL SHAMRAO	10	4	3	2	19	
74	TUGAVE ANUSHKA SHIVAJI	8	4	2	2	16	
75	UGALE NIKITA SURESH	12	4	3	2	21	
76	WAVIKAR RUTUJA SHARAD	8	4	2	2	16	



Second Year B. Pharmacy-IV Semester (Rev. 2019 Pattern PCI)

BP409P-Pharmacognosy and Phytochemistry-I (Practical)

Internal Continuous Assessment Sheet 2021-22

Roll No.	Name of Student	Sessional Exam	Average of Sessional Marks	Attendance	Based on Practical Records, Regular viva voce,	Total	Signature
		40 M	10 M	2 M	3 M	15 M	
1	ADHAGALE JOTSHNA RAJENDRA	25	6	2	2	10	
2	AMBEKAR UTKARSHA RAJENDRA	27	7	2	2	11	
3	AVHAD ARATI SUBHASH	31	8	2	2.5	12	
4	AVHAD RUTUJA SHANTARAM	27	7	2	2	11	
5	BENDKULE PUNAM ASHOK	29	7	2	3	12	
6	BHÄTJIRE SAMRUDDHI KIRAN	32	8	2	3	13	
7	BIRAJADAR SAKSHI DHANANJAY	32	8	2	2.5	13	
8	BOROLE PAYAL GUNWANT	35	9	2	3	14	
9	CHAKOR NIKITA SATISH	35	9	2	3	14	
10	CHAUDHARI AMRUTA MINNATH	28	7	2	2	11	
11	DAMODAR ANKITA ASHOK	30	8	2	2	12	
12	DARUNTE RUTUJA SUNIL	29	7	2	2.5	12	
13	DHUMAL VAISHNAVI NANASAHEB	23	6	2	2	10	
14	GANKOR PRIYANKA SANTOSH	26	6	2	2.5	11	
15	GAPHALE SHRADHA BABAN	32	8	2	3	13	
16	GHUMARE BHUMIKA JAYANT	23	6	2	3	11	
17	GHUMARE PRAJAKTA MADHUKAR	33	8	2	3	13	
18	GONDKAR SONAL	28	7	2	2.5	11	
19	GURGUDE HARSHADA NANASAHEB	28	7	2	2	11	
20	JADHAV SHITAL SANJAY	29	7	2	2	11	
21	JOSHI ADITI ARUN	29	7	2	3	12	
22	JOSHI KETAKI HEMANT	27	7	2	2	11	
23	KALE PRATIKSHA DILIP	30	7	2	2	12	
24	KANDALKAR KOMAL SANJAY	27	7	2	2	11	
25	KARAD RUTAJA SHIVAJI	27	7	2	2	11	



26	KOKATE ISHWARI SHIVAJI	26		7	2	2	11	
27	KOKATE SNEHAL SHANTARAM	32		8	2	2.5	12	
28	KULKARNI SHREYA KISHOR	26		6	2	2	10	
29	LABADE SAYALI RAVINDRA	26		6	2	2	10	
30	LOKHANDE AKSHITA SANJAY	32		8	2	2.5	12	
31	MANE AKANKSHA SHAILESH	28		7	2	2	11	
32	MHASE SEJAL ANIL	28		7	2	2.5	12	
33	MORE PRACHI SUBHASH	27		7	2	2	11	
34	NAIR ADITI VINUMON	27		7	2	2	11	
35	NATH BHAGYASHREE DATTU	32		8	2	2.5	12	
36	NIMBALKAR ASHWINI VALMIK	27		7	2	2.5	11	
37	PAGARE GEETA CHANGDEO	24		6	2	2	10	
38	PALDE VAISHNAVI KISAN	29		7	2	2.5	12	
39	PATIL NAVELI KIRANKUMAR	32		8	2	2.5	12	
40	PATIL PRIYANKA YUVRAJ	26		7	2	2	11	
41	PATIL TEJAS RAJARAM	30		8	2	2	12	
42	PAWAR ANISHA NITIN	32		8	2	3	13	
43	SAHARE VIDYA KRUSHNA	27		7	2	3	12	
44	SANAP KANCHAN RAMESH	31		8	2	2.5	12	
45	SANGLE GAYATRI RAMESH	26		7	2	2	11	
46	SARODE LAXMI SUSHANT	28		7	2	2	11	
47	SATPUTE MADHURI GAJENDRA	27		7	2	2	11	
48	SAWANT ANKITA DATTATRAYA	30		7	2	2.5	12	
49	SHAIKH SUZAIN ZULFIKAR	28		7	2	2.5	12	
50	SONAWANE JAGRITI SAMADHAN	30		8	2	3	13	
51	TAKATE HARSHADA RADHAKISAN	28		7	2	2.5	11	
52	TAKLE RIYA RAMAKANT	29		7	2	3	12	
53	TALPADE JAYASHREE GANGARAM	33		8	2	3	13	
54	THORAT ANKITA SATISH	29		7	2	2.5	12	
55	TUNGAR RAJESHWARI BANDU	25		6	2	2	10	
56	TUPE ANURADHA PRAMOD	27		7	2	2	11	
57	UGALE ARATI SOMNATH	30		8	2	3	13	
58	UGALE KIRAN VASANT	26		7			11	
59	VATPADE TANAVI SANTOSH	27		7			11	
60	WAGH MANASI RAJU	27		7			11	



61	WALZADE SHRUTI MILIND	29		7	2	2.5	12	
62	WARUNGASE VAISHNAVI SUNIL	27		7	2	2.5	11	
63	YELMAME SANDHYA VINOD	31		8	2	3	13	
64	ZALTE MAYURI SANJAY	29		7	2	3	12	
65	DESHMUKH CHAITALI	31		8	2	3	13	
66	GAVIT RENUKA SUKALAL	28		7	2	3	12	
67	GITE SONALI BHIKAJI	30		7	2	3	12	
68	JADHAV DIVYA	32		8	2	3	13	
69	JONDHALE SAKSHI VIJAY	30		7	2	3	12	
70	KAMBLE GAURI KAMLAKAR	28		7	2	2.5	12	
71	KOKATE TRUPTI RAGHUNATH	33		8	2	3	13	
72	RAUT ARTI SAMPAT	28		7	2	2.5	12	
73	SHINDE SHITAL SHAMRAO	30		8	2	2.5	12	
74	TUGAVE ANUSHKA SHIVAJI	28		7	2	2	11	
75	UGALE NIKITA SURESH	32		8	2	3	13	
76	WAVIKAR RUTUJA SHARAD	30		8	2	2	12	



8-5/19

Amu

Continuous Assessment - 01

Name - Birajdar Sakshi - Dhyanrajyals
 Roll no - 107

Q.1 Define pharmacognosy, and elaborate the classification of drugs.

Q.2 Write a note on quantitative microscopy of crude drug.

Q.1 —→

Ans: **Pharmacognosy** - the science which deals with study of crude drug obtained from natural resources, such as plants, animals and minerals, called as pharmacognosy.

Classification of drug - There are six classification of drugs in pharmacognosy.

- 1) morphology classification
- 2) Alphabetical classification
- 3) taxonomical classification
- 4) pharmacological classification
- 5) chemical classification
- 6) Chemo-taxonomical classification

1) morphological classification

In these classification, the parts of plant morphology such as flowers, fruits, stem, etc.

ex - tragacant, acaica, etc.



2) Alphabetical classification -

In these classification drugs are arranged in alphabetical manner because it is easy to find.

ex - A - Aloe, B - Betel nut

3) Taxonomical classification -

In these classification we study a taxonomy of plant and their parts such as stem, root and leaves.

ex - Class, order, phylum, subfamily, family.

4) Pharmacological classification -

The pharmacological classification drugs are act on human body to cure disease. Thus, some plants are useful to treat human disease.

ex - Neem, turmeric etc. drug acting on GIT.

Chemotaxonomy

5) Chemical classification -

In these classification identify the drugs from chemical test.

ex - Alkaloids, glycosides

4, 8

6) Physiological classification -

Drug classified according to physiology. Some of plants shows side effect or dual activity.

ex - Anticancer, Antidiabetic, antifungal



Q.2 -> Quantitative microscopy on crude drug.

Ans -> Quantitative microscopy is divided into two parts

- Quantitative microscopy on crude drug.

* Quantitative microscopy is divided into

- (1) micrometer
- (2) Camera lucida.

(1) micrometer - it is divided into two parts

(1) Stage micrometer.

(2) eyepiece micrometer.

(a) stage micrometer - In stage micrometer there are 100 divisions. Stage micrometer total length is about 10mm

(b) eyepiece micrometer - length of eyepiece micrometer by 1 division is about 1.0mm.

(2) Camera lucida.

Camera lucida is used to identify how many Stomatal no. & palisade ratio etc.

(1) Palisade ratio - no. of cells present beneath epidermis

(2) Stomata no - no. of stomata present beneath epidermis



③ Vein-termination no- no. of vein termination present per square mm of length midway, midrib & lamina

④ Vein-islets no- no. of islets of vein present per square mm midway, midrib & lamina

⑤ Stomata index = $\frac{S}{E} \times 100$

opening out of stomata

S = stomatal no per unit Area

E = no. of epidermal cell per unit

Area

total stomata

total cell

area of stomata

total cell

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