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Criteria No: 2

Metric No: 2.5.1

File Name: Mechanism to deal with examination related grievances

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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. 15x6 =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



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)	=	<u>02 x 05 = 10</u>
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	=	<u>05</u>
Total	=	<u>40 marks</u>



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

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 PhysiologyII – 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 PhysiologyII –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	Industrial PharmacyI– 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	Industrial PharmacyI– 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

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 Standardization 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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**MASTER OF PHARMACY COURSE STRUCTURE
SPECIALIZATION : QUALITY ASSURANCE
TECHNIQUES**

Paper

5

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	UE	IE		UE	UE	
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

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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

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

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

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

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
MPL104T	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

ACADEMIC CALENDAR
(July 2022 - December 2022)

Week No.	Month	Week Days						Working days	Events
		Mon	Tue	Wed	Thu	Fri	Sat		
1	July 22					1	2	1	01-Subject Choice for AY 2022-23
2		4	5	6	7	8	9	6	07-GB & CDC Meeting
3		11	12	13	14	15	16	5	12-M. Pharm. Sem IV Viva-Voce 14-Subject Allotment for AY 2022-23
4		18	19	20	21	22	23	6	23-Tree Plantation
5		25	26	27	28	29	30	6	30-Academic Staff & Research Meeting
4	Aug 22	1	2	3	4	5	6	5	01- Commencement of Sem. III, V, VII & M. Pharm Sem. III 02-Admission Meeting
5		8	9	10	11	12	13	5	09-Muharram 11-Dr. Vitthalrao Vikhe Patil Jayanti 13-Student Council Election 13-Sports & Cultural Meeting
6		15	16	17	18	19	20	5	15-Independance Day 16-Parsi New Year 19-Janmashtami
7		22	23	24	25	26	27	6	27-Mentoring Meeting Regular Lectures of Sem. III, V & VII M. Pharm III
8		29	30	31				3	29-Industrial Visit of Sem. VII 30- Academic Staff & Research Meeting 31-Ganesh Chaturthi
9	Sep 22				1	2	3	2	01-Soft Skill Training for Sem. V & VII
10		5	6	7	8	9	10	6	05-Teacher's Day 10-Parent's Meet
11		12	13	14	15	16	17	5	19-First Sessional Exam of Sem. III, V, VII & M. Pharm Sem. III
12		19	20	21	22	23	24	6	24-Antiragging Committee Meeting
13		26	27	28	29	30		5	26-Industrial Visit of Sem. V 30- Academic Staff & Research Meeting
14	Oct 22						1	0	
15		3	4	5	6	7	8	5	05-Dusshera 08- Swachh Bharat Abhiyaan (NSS Activity)
16		10	11	12	13	14	15	5	10-Mid Semester Feedback (Google form) 11-Soft Skill Training for Sem. V & VII 14- Alumni Overview meeting
17		17	18	19	20	21	22	6	Regular Lectures of Sem. III, V & VII M. Pharm III
18		24	25	26	27	28	29	3	24 to 29-Diwali 29- Academic Staff & Research Meeting
19	Nov 22	31	1	2	3	4	5	5	03-Industrial Visit of Sem. III
20		7	8	9	10	11	12	6	07- Second Sessional Exam of Sem. III & M. Pharm Sem. III

21	Dec 22	14	15	16	17	18	19	5	18-Mock Interview for Sem. VII
22		21	22	23	24	25	26	6	Regular Lectures of Sem. III, V & VII M. Pharm III
23		28	29	30				3	28- Industrial Visit of Sem. I 30- Academic Staff & Research Meeting
24					1	2	3	2	Regular Lectures of Sem. III, V & VII M. Pharm III
25		5	6	7	8	9	10	6	10-Synopsis Submission of M. Pharm. Sem. III 05- Practice School Presentation 05-15 Semester Practical Exam for Sem. III, V & VII
26		12	13	14	15	16	17	5	12- End Semester Feedback of Students (Google Form) 16- Mock Interview for Sem. VII
27		19	20	21	22	23	24	6	19-Research Proposal Presentation of M. Pharm Sem. III 23-M. Pharm Sem. III Semester Exam
28		26	27	28	29	30	31	6	26-Commencement of Semester I (B/M. Pharm) 30- Internal Academic Audit 31- Academic Staff & Research Meeting
END OF SEMESTER		Total Working Days						142	
Working Days with Activity				University Exams			Teaching Working Days		Holidays
21				25			142		18

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ACADEMIC CALENDAR
(January 2023 - May 2023)

Week No.	Month	Week Days						Working days	Events
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Jan 23	2	3	4	5	6	7	5	04-Sem. V & VII Semester Exam begins
2		9	10	11	12	13	14	6	11- Sem. VIII Commencement 12- Sem. VI Commencement
3		16	17	18	19	20	21	5	16-Mock Interview for Sem. VIII
4		23	24	25	26	27	28	6	23-Sem. III Semester Exam begins 23-NSS Camp for Sem. VI 26-Republic Day
5		30	31					2	31-Month End Meeting
4	Feb 23			1	2	3	4	3	4-M. Pharm. Sem III Research Proposal Presentations
5		6	7	8	9	10	11	6	6-Sem. IV Commencement
6		13	14	15	16	17	18	5	13-First Sessional Exam Sem. I, VI & VIII M. Pharm I 17-Feedback of Students
7		20	21	22	23	24	25	6	20-Sports and Cultural Days 24-Annual Social Gathering
8		27	28					2	27- Organization of Value addition courses 28-Month End Meeting
9	Mar 23			1	2	3	4	3	01-Enterprenaurship Programme
10		6	7	8	9	10	11	5	07-Dhulivandan
11		13	14	15	16	17	18	5	13- First Sessional Exam Sem. IV 14- Industrial Visit for Sem. I
12		20	21	22	23	24	25	5	20-Second Sessional Exam Sem. I VI & VIII M. Pharm I 22-Gudipadwa
13		27	28	29	30	31		4	30- Shriram Navmi 31- Month End Meeting
14	Apr 23						1	0	
15		3	4	5	6	7	8	4	04-Mahavir Jayanti 07-Good Friday
16		10	11	12	13	14	15	4	14-Dr. Babasaheb Ambedkar Jayanti
17		17	18	19	20	21	22	5	17- Second Sessional Exam Sem. IV 22-Akshay Tritiya, Ramzan ID
18		24	25	26	27	28	29	6	28- Feedback of Students 29- Month End Meeting



19	May 23	1	2	3	4	5	6	3	01-Maharashtra Day 05-Budh Poornima
20		8	9	10	11	12	13	6	08-Semester Exam Begins Sem. IV
21		15	16	17	18	19	20	5	15-Semester Practical Exam Sem. VI & VIII
22		22	23	24	25	26	27	6	22-Project Work Seminar Sem. VIII
23		29	30	31				3	30-Internal Academic Audit 31- Month End Meeting
END OF SEMESTER		Total Working Days						110	
Working Days with Activity		University Exams				Teaching Working Days		Holidays	
114		25				110		19	

Prepared By: Mr. Kiran B. Dhamak

Approved By: Dr. Charushila J. Bhangale

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





EVALUATION OF INTERNAL CONTINUOUS ASSESSMENT

Year 2022-2023

Name of Subject: **Pharmacognosy II (Theory)**

Subject Code: **BP504T**

Class: **Third Year B. Pharmacy**

Semester: **V Semester**

Sr. No.	Date	Method of Assessment *	Maximum Marks
1.		Average of Sessional Exam	15
2.		Attendance	4
3.		Academic Activities	4
4.		Student-Teacher Interaction	2
Total Marks:			25

(* In-semester assessment will be of 25 marks which include 15 marks for Theory Sessional Exam and 10 marks for Continuous Internal Assessment for theory)

Average of any two academic activities for theory should be selected from below:

1. Short Quiz
2. Assignment
3. An open book test
4. Field Work
5. Group Discussion
6. Seminar



Third Year B. Pharmacy-V Semester (Rev. 2019 Pattern_PCI)

BP504T-Pharmacognosy & Phytochemistry-II (Theory)

Internal Continuous Assessment Sheet 2022-23

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	7	4	2.6	2	15	<i>Adhagale</i>
2	AMBEKAR UTKARSHA RAJENDRA	9	4	3	2	18	<i>Ambekar</i>
3	AVHAD ARATI SUBHASH	11	4	3	2	20	<i>Avhad</i>
4	AVHAD RUTUJA SHANTARAM	10	4	3.1	2	19	<i>Avhad</i>
5	BENDKULE PUNAM ASHOK	10	4	3	2	19	<i>Bendkule</i>
6	BHATJIRE SAMRUDDHI KIRAN	12	4	3.2	2	21	<i>Bhatjire</i>
7	BIRAJADAR SAKSHI DHANANJAY	10	4	3.2	2	19	<i>Birajadar</i>
8	BOROLE PAYAL GUNWANT	12	4	3	2	21	<i>Borole</i>
9	CHAKOR NIKITA SATISH	13	4	3	2	22	<i>Chakor</i>
10	CHAUDHARI AMRUTA MINNATH	7	4	2.6	2	16	<i>Chaudhari</i>
11	DAMODAR ANKITA ASHOK	12	4	3	2	21	<i>Damodar</i>
12	DARUNTE RUTUJA SUNIL	9	4	3	2	18	<i>Darunte</i>
13	DESHMUKH CHAITALI	12	4	3.1	2	21	<i>Deshmukh</i>
14	DHUMAL VAISHNAVI NANASAHEB	6	4	2.4	2	14	<i>Dhumal</i>
15	GANORKAR PRIYANKA SANTOSH	7	4	2.5	2	16	<i>Ganorkar</i>
16	GAPHALE SHRADHA BABAN	11	4	3	2	20	<i>Gaphale</i>
17	GAVIT RENUKA SUKALAT	8	4	2.9	2	16	<i>Gavit</i>
18	GHUMARE BHUMIKA JAYANT	11	4	3.2	2	20	<i>Ghumare</i>
19	GHUMARE PRAJAKTA MADHUKAR	12	4	3	2	21	<i>Ghumare</i>
20	GITE SONALI BHIKAJI	12	4	3	2	21	<i>Gite</i>
21	GONDKAR SONAL	12	4	3.2	2	21	<i>Gondkar</i>
22	GURGUDE HARSHADA NANASAHEB	12	4	3.2	2	21	<i>Gurgude</i>
23	JADHAV DIVYA	7	4	3	2	16	<i>Jadhav</i>
24	JADHAV SHITAL SANJAY	9	4	3.2	2	18	<i>Jadhav</i>
25	JONDALE SAKSHI VIJAY	9	4	3.1	2	18	<i>Jondale</i>
26	JOSHI ADITI ARUN	13	4	3.1	2	22	<i>Joshi</i>
27	JOSHI KETAKI HEMANT	11	4	2.4	2	19	<i>Joshi</i>
28	KALE PRATIKSHA DILIP	12	4	3.6	2	22	<i>Kale</i>



29	KAMBLE GAURI KAMLAKAR	Ab	0	0	0	Ab	
30	KANDALKAR KOMAL SANJAY	10	4	2.8	2	18	<i>Ab</i>
31	KARAD RUTAJA SHIVAJI	10	4	3.1	2	19	<i>Ab</i>
32	KOKATE ISHWARI SHIVAJI	10	4	3	2	19	<i>Ab</i>
33	KOKATE SNEHAL SHANTARAM	13	4	3.2	2	22	<i>Ab</i>
34	KOKATE TRUPTI RAGHUNATH	13	4	3.1	2	22	<i>Ab</i>
35	KULKARNI SHREYA KISHOR	9	4	3.2	2	18	<i>Ab</i>
36	LABADE SAYALI RAVINDRA	9	4	2.2	2	17	<i>Ab</i>
37	LOKHANDE AKSHITA SANJAY	7	4	3.2	2	16	<i>Ab</i>
38	MANE AKANKSHA SHAILESH	11	4	3.6	2	21	<i>Ab</i>
39	MAHASE SEJAL ANIL	9	4	3.2	2	18	<i>Ab</i>
40	MORE PRACHI SUBHASH	7	4	2.8	2	16	<i>Ab</i>
41	NAIR ADITI VINUMON	7	4	2.8	2	16	<i>Ab</i>
42	NATH BHAGYASHREE DATTU	9	4	3.1	2	18	<i>Ab</i>
43	NIMBALKAR ASHWINI VALMIK	11	4	3.6	2	21	<i>Ab</i>
44	PAGARE GEETA CHANGDEO	8	4	3.2	2	17	<i>Ab</i>
45	PALDE VAISHNAVI KISAN	10	4	3.6	2	20	<i>Ab</i>
46	PATIL NAVELI KIRANKUMAR	12	4	3.6	2	21	<i>Ab</i>
47	PATIL PRIYANKA YUVRAJ	7	4	2.2	2	15	
48	PATIL TEJAS RAJARAM	12	4	2.8	2	20	<i>Ab</i>
49	PAWAR ANISHA NITIN	13	4	3.2	2	22	<i>Ab</i>
50	RAUT ARTI SAMPAT	12	4	3	2	21	
51	SAHARE VIDYA KRUSHNA	9	4	3	2	18	<i>Ab</i>
52	SANAP KANCHAN RAMESH	10	4	3.1	2	19	<i>Ab</i>
53	SANGLE GAYATRI RAMESH	8	4	2.8	2	17	<i>Ab</i>
54	SARODE LAXMI SUSHANT	9	4	2.8	2	17	
55	SATPUTE MADHURI GAJENDRA	12	4	3.1	2	21	
56	SAWANT ANKITA DATTATRAYA	12	4	3	2	21	<i>Ab</i>
57	SHAIKH SUZAIN ZULFIKAR	9	4	2.6	2	18	<i>Ab</i>
58	SHINDE SHITAL SHAMRAO	12	4	3	2	21	<i>Ab</i>
59	SONAWANE JAGRITI SAMADHAN	11	4	3.2	2		
60	TAKATE HARSHADA RADHAKISAN	12	4	3.2	2		<i>Ab</i>
61	TAKLE RIYA RAMAKANT	8	4	2.9	2		<i>Ab</i>
62	TALPADE JAYASHREE GANGARAM	13	4	3.6	2		<i>Ab</i>
63	THORAT ANKITA SATISH	9	4	2.8	2	17	<i>Ab</i>
64	TUGAVE ANUSHKA SHIVAJI	9	4	3	2	18	<i>Ab</i>



65	TUNGAR RAJESHWARI BANDU	8	4	2.8	2	17	Prage
66	TUPE ANURADHA PRAMOD	9	4	3	2	18	Sumata
67	UGALE ARATI SOMNATH	13	4	3	2	22	Arati
68	UGALE KIRAN VASANT	9	4	2.6	2	17	TEPPI
69	UGALE NIKITA SURESH	12	4	3	2	21	Ugale
70	VATPADE TANAVI SANTOSH	7	4	2.3	2	15	Natjala
71	WAGH MANASI RAJU	7	4	2.4	2	15	Mushe
72	WALZADE SHRUTI MILIND	8	4	3.2	2	17	Walade
73	WARUNGASE VAISHNAVI SUNIL	9	4	2.4	2	17	Warungase
74	WAVIKAR RUTUJA SHARAD	8	4	3	2	17	Rutuja
75	YELMAME SANDHYA VINOD	11	4	3.2	2	20	Yelmame
76	ZALTE MAYURI SANJAY	7	4	3	2	16	Zalte



Third Year B. Pharmacy-III Semester (Rev. 2019 Pattern_PCI)

(Practical)

Internal Continuous Assessment Sheet 2022-23

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	24	6	1	3	10	<i>Adhagale</i>
2	AMBEKAR UTKARSHA RAJENDRA	29	7	2	3	12	<i>Ambekar</i>
3	AVHAD ARATI SUBHASH	32	8	2	3	13	<i>Avhad</i>
4	AVHAD RUTUJA SHANTARAM	32	8	2	3	13	<i>Avhad</i>
5	BENDKULE PUNAM ASHOK	27	7	2	3	12	<i>Bendkule</i>
6	BHATJIRE SAMRUDDHI KIRAN	33	8	2	3	13	<i>Bhatjire</i>
7	BIRAJADAR SAKSHI DHANANJAY	30	8	2	3	13	<i>Birajadar</i>
8	BOROLE PAYAL GUNWANT	34	8	2	3	13	<i>Borole</i>
9	CHAKOR NIKITA SATISH	34	8	2	3	13	<i>Chakor</i>
10	CHAUDHARI AMRUTA MINNATH	25	6	2	3	11	<i>Chaudhari</i>
11	DAMODAR ANKITA ASHOK	31	8	2	3	13	<i>Damodar</i>
12	DARUNTE RUTUJA SUNIL	32	8	2	3	13	<i>Darunte</i>
13	DESHMUKH CHAITALI	31	8	2	3	13	<i>Deshmukh</i>
14	DHUMAL VAISHNAVI NANASAHEB	24	6	2	3	11	<i>Dhumal</i>
15	GANORKAR PRIYANKA SANTOSH	27	7	2	3	12	<i>Ganorkar</i>
16	GAPHALE SHRADHA BABAN	32	8	2	3	13	<i>Gaphale</i>
17	GAVIT RENUKA SUKALAL	28	7	2	3	12	<i>Gavit</i>
18	GHUMARE BHUMIKA JAYANT	32	8	2	3	13	<i>Ghumare</i>
19	GHUMARE PRAJAKTA MADHUKAR	34	8	2	3	13	<i>Ghumare</i>
20	GITE SONALI BHIKAJI	30	8	2	3	13	<i>Gite</i>
21	GONDKAR SONAL	33	8	2	3	13	<i>Gondkar</i>
22	GURGUDE HARSHADA NANASAHEB	31	8	2	3	13	<i>Gurgude</i>
23	JADHAV DIVYA	31	8	2	3	13	<i>Jadhav</i>
24	JADHAV SHITAL SANJAY	29	7	2	3	12	<i>Jadhav</i>



25	JONDHALE SAKSHI VIJAY	32		8	2	3	13	Sindhu
26	JOSHI ADITI ARUN	33		8	2	3	13	Aditi
27	JOSHI KETAKI HEMANT	32		8	2	3	13	Ketaki
28	KALE PRATIKSHA DILIP	33		8	2	3	13	Pratiksha
29	KAMBLE GAURI KAMLAKAR	0		0	ab	ab	0	
30	KANDALKAR KOMAL SANJAY	30		7	2	2	11	Komal
31	KARAD RUTAJA SHIVAJI	28		7	2	2	11	Rutaja
32	KOKATE ISHWARI SHIVAJI	31		8	2	3	13	Ishwari
33	KOKATE SNEHAL SHANTARAM	32		8	2	3	13	Snehal
34	KOKATE TRUPTI RAGHUNATH	34		8	2	3	13	Trupti
35	KULKARNI SHREYA KISHOR	27		7	2	3	12	Shreyani
36	LABADE SAYALI RAVINDRA	29		7	1	2	10	Sayali
37	LOKHANDE AKSHITA SANJAY	20	26		1	3	10	Akshita
38	MANE AKANKSHA SHAILESH	32		8	2	3	13	Akanksha
39	MHASE SEJAL ANIL	30		7	2	3	12	Sejal
40	MORE PRACHI SUBHASH	25		6	2	3	11	Prachi
41	NAIR ADITI VINUMON	26		6	2	3	11	Aditi
42	NATH BHAGYASHREE DATTU	33		8	2	3	13	Bhagya
43	NIMBALKAR ASHWINI VALMIK	30		7	2	3	12	Ashwini
44	PAGARE GEETA CHANGDEO	27		7	2	3	12	Geeta
45	PALDE VAISHNAVI KISAN	32		8	2	3	13	Vaishnavi
46	PATIL NAVELI KIRANKUMAR	33		8	2	3	13	Naveli
47	PATIL PRIYANKA YUVRAJ	29		7	2	2	11	Priyanka
48	PATIL TEJAS RAJARAM	31		8	2	3	13	Tejas
49	PAWAR ANISHA NITIN	33		8	2	3	13	Anisha
50	RAUT ARTI SAMPAT	32		8	2	3	13	Arti
51	SAHARE VIDYA KRUSHNA	31		8	2	3	13	Vidya
52	SANAP KANCHAN RAMESH	30		8	2	3	13	Kanchan
53	SANGLE GAYATRI RAMESH	29		7	2	3	12	Gayatri
54	SARODE LAXMI SUSHANT	30		7	2	3	12	Laxmi
55	SATPUTE MADHURI GAJENDRA	34		8	2	3	13	Madhuri
56	SAWANT ANKITA DATTATRAYA	31		8	2	3	13	Ankita
57	SHAIKH SUZAIN ZULFIKAR	29		7	1		11	Suzain
58	SHINDE SHITAL SHAMRAO	31		8	2		12	Shital
59	SONAWANE JAGRITI SAMADHAN	30		8	2		13	Jagrati



60	TAKATE HARSHADA RADHAKISAN	31		8	2	3	13	Rakate
61	TAKLE RIYA RAMAKANT	34		9	2	3	14	
62	TALPADE JAYASHREE GANGARAM	35		9	2	3	14	
63	THORAT ANKITA SATISH	28		7	2	3	12	AST
64	TUGAVE ANUSHKA SHIVAJI	26		7	2	3	12	Amal
65	TUNGAR RAJESHWARI BANDU	29		7	2	2	11	Pooja
66	TUPE ANURADHA PRAMOD	30		7	2	3	12	Wadh
67	UGALE ARATI SOMNATH	33		8	2	3	13	Asugai
68	UGALE KIRAN VASANT	31		8	1	3	12	
69	UGALE NIKITA SURESH	34		8	2	3	13	Regale
70	VATPADE TANAVI SANTOSH	27		7	2	3	12	Jape
71	WAGH MANASI RAJU	27		7	1	2	10	Wadh
72	WALZADE SHRUTI MILIND	29		7	2	3	12	Talade
73	WARUNGASE VAISHNAVI SUNIL	29		7	2	3	12	V. G. Rangas
74	WAVIKAR RUTUJA SHARAD	27		7	1	2	10	Rutuja
75	YELMAME SANDHYA VINOD	33		8	2	3	13	
76	ZALTE MAYURI SANJAY	28		7	2	3	12	Zalte



Continuans Ans. - I

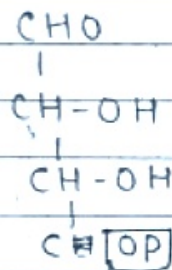
Q1] describe shikmic acid pathway with its significance - 6M.

Q2] Briefly explain - acetate malate^{or malonate} pathway with significance.

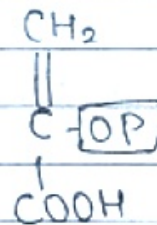
Q1] → shikmic acid pathway.

from pentose phosphate path-way

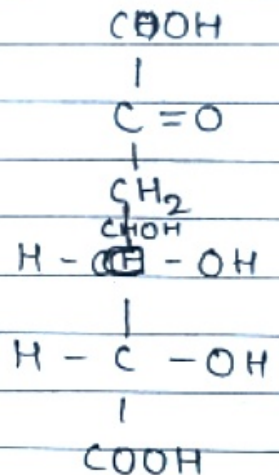
From glycolysis



+



DAHP →



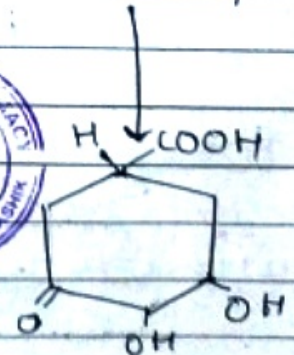
Erythrose-4-phosphate

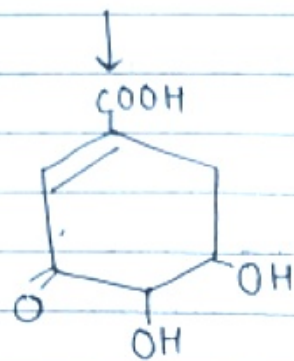
PEP

3-Deoxy-D-Arthohepatosonic-4-phosphate

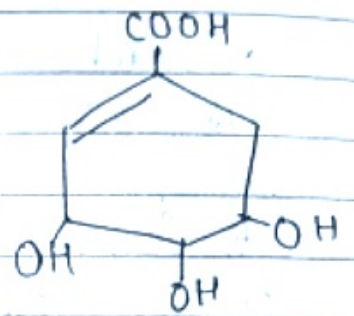


3-Dehydroacetate

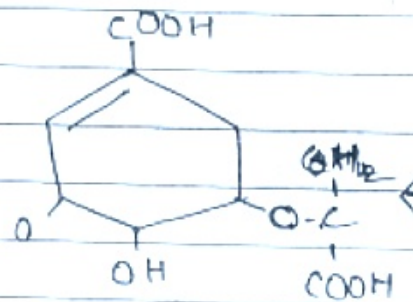




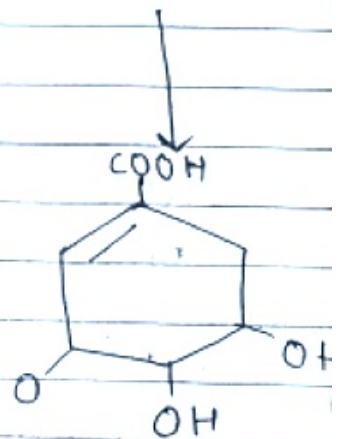
3-dehydroshikmic acid.



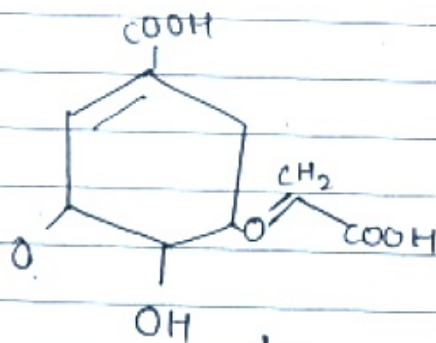
shikmic acid



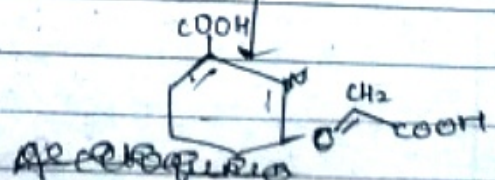
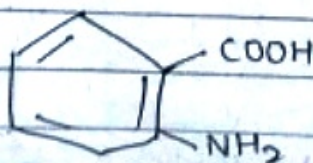
christmic acid



3-enol-4-shikmic acid-7-phosphate



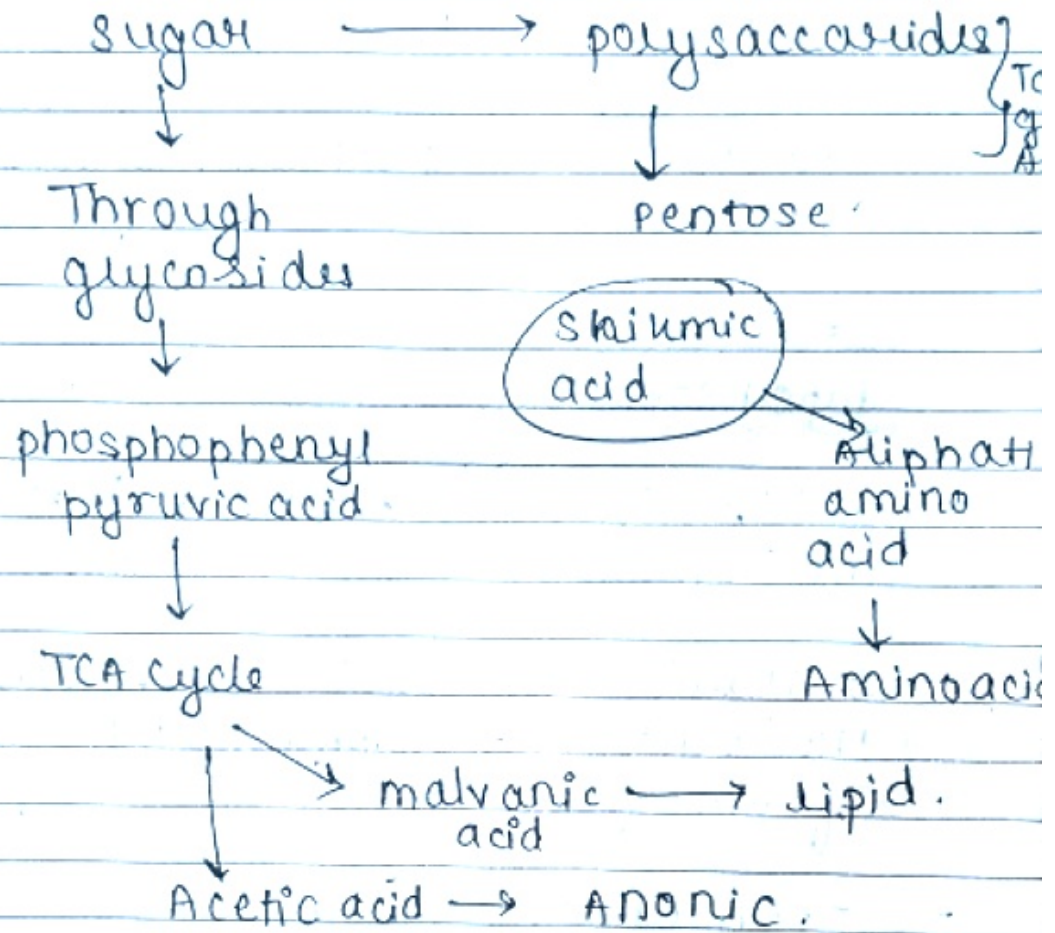
Acetaperine



- Shikmic acid pathway is used in the biosynthesis of amino acid and then it is further used in the synthesis.
- Shikmic acid pathway is also called as Cyclohexane carboxylic acid.
- ~~The~~ It was discovered from Japanese licium.
- Shikmic acid pathway has 7 step mechanism.
- Shikmic acid pathway ^{is} starts from the pentose phosphate pathway & from glycolysis.
- It is under the enzyme DAHP.
- Then further it is synthesis as 3-dehydroacetate.
- Further synthesis as 3-dehydroshikmic acid.
- Then it synthesizes shikmic acid.
- The shikmic acid pathway is 7 step mechanism.



- It is also called as cyclohexane carboxylic acid.



04

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