



Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune-14.**



Metric No. 2.5.1.

Mechanism of internal assessment is transparent and robust in terms of frequency and mode



**Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune**



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Dr. Vijaya Barge
(Dr. Vijaya Barge)
Co-ordinator



[Signature]
PRINCIPAL
Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical
Sciences & Research Centre,
Kharadi, Pune-411014.



Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune**



**1. Internal examination notices
and timetables
(Specimen Copy)
A.Y. 2023-24**

Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune**



NOTICE NO.: - 85
(Academic Year- 2023-2024)


Date 01.09.2023


All the teachers of T. Y. B. Pharm. (Sem.- V) and Final Year B. Pharm. (Sem.VII) are hereby informed that their **First Sessional Theory Examination** will commence from 07.09.2023 to 12.09.2023. **First Sessional Practical Examination** will commence from 13.09.2023 as per regular academic timetable. They should submit the photocopies of question paper to Examination in-charge on or before 06.09.2023.


Time Table for First Sessional Theory Examination 2023-2024


Date/Day	T.Y. B. Pharm (Sem.-V)	Final Year B. Pharm (Sem.-VII)
07.09.2023 Thursday	Medicinal Chemistry-II	Instrumental Methods of Analysis
08.09.2023 Friday	Industrial Pharmacy I	Industrial Pharmacy II
09.09.2023 Saturday	Pharmacology -II	Pharmacy Practice
11.09.2023 Monday	Pharmacognosy and Phytochemistry II	Novel Drug Delivery System
12.09.2023 Tuesday	Pharmaceutical Jurisprudence	--

Class	Time	No of copies to be submitted
Final Y. B. Pharm. (Sem-VII)	01.00pm -02.30pm	78
T. Y. B. Pharm. (Sem.- V)		78


Mr. Vipul Dhasade
Internal Examination In-Charge
P.D.E.A'S
Shankarrao Ursal College of Pharmaceutical
Science & Research Centre
Kharadi,Pune-411014.


Mr. Kunal Kanase
Chief Examination Officer
P.D.E.A'S
Shankarrao Ursal College of Pharmaceutical
Science & Research Centre
Kharadi,Pune-411014.


Dr. Vijaya Barge
VICE - PRINCIPAL
Pune District Education Association's
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Science & Research Centre
Kharadi,Pune-411014.


Dr. Ashok Bhosale
PRINCIPAL
Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical
Sciences & Research Centre,
Kharadi, Pune-411014.

Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences &
 Research Centre, Kharadi, Pune**



Date 19.10.2023


NOTICE NO.: - 141
 (Academic Year- 2023-2024)


All the students of T. Y. B. Pharm. (Sem. V) and Final Year B. Pharm. (Sem. VII) are hereby informed that their Second Sessional Theory Examination will commence from 04.11.2023 to 09.11.2023. Second Sessional Practical Examination will commence from 21.11.2023 as per regular academic timetable. The students should be present 15 minutes before commencement of examination at the place of Examination.


Time Table for Second Sessional Theory Examination 2023-2024


Date/Day	T. Y. B. Pharm (Sem.-V)	Final Year B. Pharm (Sem.-VII)
04.11.2023 Saturday	Medicinal Chemistry-II	--
06.11.2023 Monday	Industrial Pharmacy I	Instrumental Methods of Analysis
07.11.2023 Tuesday	Pharmacology -II	Industrial Pharmacy II
08.11.2023 Wednesday	Pharmacognosy and Phytochemistry II	Pharmacy Practice
09.11.2023 Thursday	Pharmaceutical Jurisprudence	Novel Drug Delivery System

Class	Seating Arrangement	Roll No.	Time
Final Y. B. Pharm. (Sem-VII)	Lecture Hall -1 Lecture Hall -2	1 to 35 36 to 75	02.00pm -03.30pm
T. Y. B. Pharm. (Sem.- V)	Lecture Hall -3 Lecture Hall -4	1 to 35 36 to 75	


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 Chief Examination Officer
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 Kharadi, Pune - 411014


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Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences &
 Research Centre, Kharadi, Pune**



NOTICE NO.: -140

Date 19.10.2023

(Academic Year- 2023-2024)

All the teachers of F. Y. B. Pharm. (Sem. I), S.Y. B. Pharm (Sem.-III), F. Y. M. Pharm. (Sem.-I) and S. Y. M. Pharm. (Sem.-III) are hereby informed that their **First Sessional Theory Examination** will commence from **03.11.2023 to 09.11.2023**. **First Sessional Practical Examination** will commence from **21.11.2023** as per regular academic timetable. They should submit the photocopies of question paper to Examination in-charge on or before **01.11.2023**. (01.11.2023)

Time Table for First Sessional Theory Examination 2023-2024

Date/Day	F.Y. B. Pharm. (Sem.-I)	S.Y. B. Pharm (Sem.-III)	F. Y. M. Pharm. (Sem.-I) Pharmaceutics	F. Y. M. Pharm. (Sem.-I) Pharmaceutical Quality Assurance	S. Y. M. Pharm (Sem.-III)
03.11.2023 Friday	Human Anatomy and Physiology I				
04.11.2023 Saturday	Pharmaceutical Analysis I	Pharmaceutical Organic Chemistry II			
06.11.2023 Monday	Pharmaceutics I	Physical Pharmaceutics I	Modern Pharmaceutical Analytical Techniques	Modern Pharmaceutical Analytical Techniques	
07.11.2023 Tuesday	Pharmaceutical Inorganic Chemistry	Pharmaceutical Microbiology	Drug Delivery System	Quality Management System	
08.11.2023 Wednesday	Communication skills	Pharmaceutical Engineering	Modern Pharmaceutics	Quality Control and Quality Assurance	Research Methodology
09.11.2023 Thursday	Remedial Mathematics / Remedial Biology	Communication skills*	Regulatory Affair	Product Development and Technology Transfer	Introduction to Constitution

Class	Time	No of copies to be submitted
F. Y. B. Pharm. (Sem.-I)	10:000am-11:30am	77
F. Y. M. Pharm. (Sem.-I)		35
S.Y. B. Pharm (Sem.-III)	12:00 noon-01:30pm	77
S.Y. M. Pharm (Sem.-III)		35


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 Kharadi, Pune - 411014


 Mr. Krunal Kanase
 Chief Examination Officer
 P.D.E.A.S

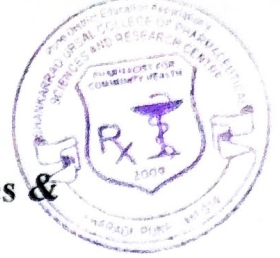
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 Science & Research Centre
 Kharadi, Pune-411014


 Dr. Ashok Bhosale

PRINCIPAL
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**Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune**



NOTICE NO.: - 212

Date 11.12.2023

(Academic Year- 2023-2024)

All the students of F. Y. B. Pharm. (Sem. I), S.Y. B. Pharm (Sem.-III), F. Y. M. Pharm. (Sem.-I) and S. Y. M. Pharm. (Sem.-III) are hereby informed that their **Second Sessional Practical Examination** will commence from **14.12.2023** as per regular academic timetable. **Second Sessional Theory Examination** will commence from **21.12.2023 to 28.12.2023**. The students should be present 15 minutes before commencement of examination at the place of Examination.

Time Table for Second Sessional Theory Examination 2023-2024

Date/Day	F.Y. B. Pharm. (Sem.-I)	S.Y. B. Pharm (Sem.-III)	F. Y. M. Pharm. (Sem.-I) Pharmaceutics	F. Y. M. Pharm. (Sem.-I) Pharmaceutical Quality Assurance	S.Y. M. Pharm (Sem.-III)
21.12.2023 Thursday	Human Anatomy and Physiology I	Pharmaceutical Organic Chemistry II	Modern Pharmaceutical Analytical Techniques	Modern Pharmaceutical Analytical Techniques	Research Methodology
22.12.2023 Friday	Pharmaceutical Analysis I	Physical Pharmaceutics I	Drug Delivery System	Quality Management System	-
23.12.2023 Saturday	Pharmaceutics I	Pharmaceutical Microbiology	Modern Pharmaceutics	Quality Control and Quality Assurance	-
26.12.2023 Tuesday	Pharmaceutical Inorganic Chemistry	Pharmaceutical Engineering	Regulatory Affair	Product Development and Technology Transfer	-
27.12.2023 Wednesday	Communication Skills	Communication Skills*	-	-	-
28.12.2023 Thursday	Remedial Mathematics / Remedial Biology	-	-	-	-

Note * S. Y. B. Pharm- Direct Second Year B. Pharm admitted student, additional Subject.

Class	Seating Arrangement	Roll No.	Time
F. Y. B. Pharm. (Sem.-I)	Lecture Hall -1	1 to 30	10:00am-11:30am
	Lecture Hall -2	31 to 66	
F. Y. M. Pharm. (Sem.-I)	Lecture Hall -3	01 to 33	12:00 noon-01:30pm
S.Y. B. Pharm (Sem.-III)	Lecture Hall -1	1 to 30	
	Lecture Hall -2	31 to 66	
S.Y. M. Pharm (Sem.-III)	Lecture Hall -3	01 to 33	

Mr. Vipul Dhasade
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Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences &
Research Centre, Kharadi, Pune

NOTICE NO.: - 160

Date 19.10.2023


(Academic Year- 2023-2024)

All the teachers of F. Y. B. Pharm. (Sem. I), S.Y. B. Pharm (Sem.-III), F. Y. M. Pharm. (Sem.-I) and S. Y. M. Pharm. (Sem.-III) are hereby informed that their First Sessional Theory Examination will commence from 03.11.2023 to 09.11.2023. First Sessional Practical Examination will commence from 21.11.2023 as per regular academic timetable. . They should submit the photocopies of question paper to Examination in-charge on or before 01.11.2023. (01.11.2023)

Time Table for First Sessional Theory Examination 2023-2024

Date/Day	F.Y. B. Pharm. (Sem.-I)	S.Y. B. Pharm (Sem.-III)	F. Y. M. Pharm. (Sem.-I) Pharmaceutics	F. Y. M. Pharm. (Sem.-I) Pharmaceutical Quality Assurance	S.Y. M. Pharm (Sem.-III)
03.11.2023 Friday	Human Anatomy and Physiology I				
04.11.2023 Saturday	Pharmaceutical Analysis I	Pharmaceutical Organic Chemistry II			
06.11.2023 Monday	Pharmaceutics I	Physical Pharmaceutics I	Modern Pharmaceutical Analytical Techniques	Modern Pharmaceutical Analytical Techniques	
07.11.2023 Tuesday	Pharmaceutical Inorganic Chemistry	Pharmaceutical Microbiology	Drug Delivery System	Quality Management System	
08.11.2023 Wednesday	Communication skills	Pharmaceutical Engineering	Modern Pharmaceutics	Quality Control and Quality Assurance	Research Methodology
09.11.2023 Thursday	Remedial Mathematics / Remedial Biology	Communication skills*	Regulatory Affair	Product Development and Technology Transfer	Introduction to Constitution

Class	Time	No of copies to be submitted
F. Y. B. Pharm. (Sem.-I)	10:00am-11:30am	77
F. Y. M. Pharm. (Sem.-I)		35
S.Y. B. Pharm (Sem.-III)	12:00 noon-01:30pm	77
S.Y. M. Pharm (Sem.-III)		35


Mr. Vipul Dhasade
 Internal Examination In-Charge

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NOTICE NO.: - 139

Date 19.10.2023

(Academic Year- 2023-2024)

All the students of F. Y. B. Pharm. (Sem. I), S.Y. B. Pharm (Sem.-III), F. Y. M. Pharm. (Sem.-I) and S. Y. M. Pharm. (Sem.-III) are hereby informed that their First Sessional Theory Examination will commence from 03.11.2023 to 09.11.2023. First Sessional Practical Examination will commence from 21.11.2023 as per regular academic timetable. The students should be present 15 minutes before commencement of examination at the place of Examination.

Time Table for First Sessional Theory Examination 2023-24

Date/Day	F.Y. B. Pharm. (Sem.-I)	S.Y. B. Pharm (Sem.-III)	F. Y. M. Pharm. (Sem.-I) Pharmaceutics	F. Y. M. Pharm. (Sem.-I) Pharmaceutical Quality Assurance	S.Y. M. Pharm (Sem.-III)
03.11.2023 Friday	Human Anatomy and Physiology I		-	-	-
04.11.2023 Saturday	Pharmaceutical Analysis I	Pharmaceutical Organic Chemistry II	-	-	-
06.11.2023 Monday	Pharmaceutics I	Physical Pharmaceutics I	Modern Pharmaceutical Analytical Techniques	Modern Pharmaceutical Analytical Techniques	-
07.11.2023 Tuesday	Pharmaceutical Inorganic Chemistry	Pharmaceutical Microbiology	Drug Delivery System	Quality Management System	-
08.11.2023 Wednesday	Communication skills	Pharmaceutical Engineering	Modern Pharmaceutics	Quality Control and Quality Assurance	Research Methodology
09.11.2023 Thursday	Remedial Mathematics / Remedial Biology	Communication skills*	Regulatory Affair	Product Development and Technology Transfer	Introduction to Constitution

Note * S. Y. B. Pharm: Direct Second Year B. Pharm admitted student, additional Subject.


Class	Seating Arrangement	Roll No.	Time
F. Y. B. Pharm. (Sem.-I)	Lecture Hall -1	1 to 30	10:00am-11:30am
	Lecture Hall -2	31 to 66	
F. Y. M. Pharm. (Sem.-I)	Lecture Hall -3	01 to 33	12:00 noon-01:30pm
S.Y. B. Pharm (Sem.-III)	Lecture Hall -1	1 to 30	
	Lecture Hall -2	31 to 66	
S.Y. M. Pharm (Sem.-III)	Lecture Hall -3	01 to 33	


 Mr. Vipul Dhasade
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Shankarrao Ursal College of Pharmaceutical
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 Kharadi, Pune-411014.



2. Internal Examination Formats

(Specimen copy)

- **Summary sheet**
- **Supervisor report**
- **Question paper with mapping**



First / Second Sessional Theory Examination

Academic Year: 2023-2024

Summary Sheet

Class and Semester	S. Y. B. Pharm Semr III
Name of the Subject	Pharmaceutical Engineering.
No. of Papers to be Examined	74
Date of Paper issued to the Examiner	08/11/2023
Date of Paper Submission to the Exam Section	22/11/2023
Name and Sign of the Examiner	
Sign of Internal Exam In-charge	

Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre,
Kharadi, Pune-14
First Sessional Theory Examination 2023-24

Subject: Physical Pharmaceutics-I [BP302T]

Class: Second Year B. Pharm (Sem-III, 2019 Pattern)

Max. Marks: 30

Date: 06/11/2023

Time: 1:30 Hrs.

Note: 1] All questions are compulsory.
2] Figures to right indicate full marks.
3] Draw a well labeled diagram wherever necessary.

- Q 1 Answer in brief (Any Five). 10**
- A. Define Isotonic Solution & describe effect of hypertonic solution of RBCs.
 - B. What is Activity coefficient?
 - C. Discuss solute solvent interaction
 - D. Write difference between ideal and non-ideal solution.
 - E. State Gibbs Phase Rule and Write example of non-variable system.
 - F. What is pH and explain pH scale.
 - G. Describe relation between surface tension and Surface free energy.
- Q 2 Attempt any one 10**
- A. Write note on colligative properties (any two).
 - B. Describe methods used for determination of surface tension.
- Q 3 Write a short note on (Any Two). 10**
- A. Raoult's law and its deviation.
 - B. Two Phase System. (Any one example)
 - C. Mechanism of buffer and its pharmaceutical applications.

Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre,
Kharadi, Pune-14
First Sessional Theory Examination 2023-24

Subject: Physical Pharmaceutics-I [BP302T]

Class: Second Year B. Pharm (Sem-III, 2019 Pattern)

Max. Marks: 30

Date: 06/11/2023

Time: 1:30 Hrs.

- Note:** 1] All questions are compulsory.
 2] Figures to right indicate full marks.
 3] Draw a well labeled diagram wherever necessary.

Q. No.	Sub. Questions	Questions	Marks	Course Outcome Number	BT Level
Q 1	Answer in brief (Any Five).		10		
	1.	Define Isotonic Solution & describe effect of hypertonic solution of RBCs.	2	BP302T6	1 & 3
	2.	What is Activity coefficient?	2	BP302T1	1
	3.	Discuss solute solvent interaction	2	BP302T1	6
	4.	Write difference between ideal and non-ideal solution.	2	BP302T1	2
	5.	State Gibbs Phase Rule and Write example of non-variable system.	2	BP302T1	1
	6.	What is pH and explain pH scale.	2	BP302T6	1 & 2
	7.	Describe relation between surface tension and Surface free energy.	2	BP302T4	5
Q 2	Attempt any one		10		
	1.	Write note on colligative properties (any two).	10	BP302T1	2
	2.	Describe methods used for determination of surface tension.	1	BP302T4	5
Q 3	Write a short note on (Any Two).		10		
	1.	Raoult's law and its deviation.	5	BP302T1	2
	2.	Two Phase System. (Any one example)	5	BP302T1	2
	3.	Mechanism of buffer and its pharmaceutical applications.	5	BP302T6	2

Dr. Prashant Khade
 Subject Teacher



First Sessional Theory Examination 2023-2024
Subject: - Pharmacognosy and Phytochemistry I (BP405T)

Class: - Second Year B. Pharm Sem- IV (2019 P)

Time: 1.5 Hr.

Date: 20.03.2024

Max. Marks: - 30

Question Paper with Mapping between Course Outcomes and Questions

Que. No.	Question	Marks	Course Outcome Number	BT level
Q.1.	Objective type Questions (Solve any Five)	5QX2M=10 M		
	1. To report scope of Pharmacognosy study?	2M	BP405T1	1,3
	2. Define Standardization of crude drug?	2M	BP405T3, BP405T4	2,3
	3. Comment on Binomial classification of crude drug?	2M	BP405T1, BP405T3	1,3
	4. Write principle involved in determination of crude drug moisture content?	2M	BP405T3, BP405T4	3,4
	5. Define unorganized crude drugs with example?	2M	BP405T2, BP405T3	1,2,3
	6. Draw a well-labelled diagram of stomata and its types?	2M	BP405T1, BP405T3	3,4
	7. Give factors affecting biological evaluation of crude drug?	2M	BP405T1, BP405T4	2,3,5
Q.2.	Short Answer Questions (Solve any Two)	2QX5M=10 M		
	A. Define cultivation of crude drugs and report factor affecting cultivation?	5M	BP405T1, BP405T2	2,3
	B. Report types of Adulteration with example?	5M	BP405T3 BP405T4	3,4
	C. Report on significance and applications of micrometric analysis in crude drug evaluation?	5M	BP405T1, BP405T3 BP405T4	3,4,5
Q.3.	Long Answer Questions (Solve any One)	1QX10M=10M		
	A. How crude drugs were classified, report with example?	10M	BP405T2 BP405T3	3,4,5
	B. Write types of crude drug evaluation and its applications in Pharmacognosy?	10M	BP405T1, BP405T3 BP405T4	3,4,5

Mr. Vipul Dhasade
 Subject Teacher



Second Sessional Theory Examination 2023-2024
Subject: - Pharmacognosy and Phytochemistry I (BP405T)

Class: - Second Year B. Pharm Sem- IV (2019 P)
 Date: 09.05.2024

Time: 1.5 Hr.
 Max. Marks: - 30

Question Paper with Mapping between Course Outcomes and Questions

Que. No.	Question	Marks	Course Outcome Number	BT level
Q.1.	Objective type Questions (Solve any Five)		5QX2M=10 M	
	1. To report scope of crude drug extraction?	2M	BP405T1	1,3
	2. Define ethereal oil with example?	2M	BP405T3, BP405T4	2,3
	3. Comment on Teratogens?	2M	BP405T1, BP405T3	1,3
	4. Write biological source and chemical test of Bromelin?	2M	BP405T3, BP405T4	3,4
	5. Define carbohydrates with example?	2M	BP405T2, BP405T3	1,2,3
	6. Draw a well-labelled diagram of leaf microscopy?	2M	BP405T1, BP405T3	3,4
	7. Short note on plant fibers?	2M	BP405T1, BP405T4	2,3,5
Q.2.	Short Answer Questions (Solve any Two)		2QX5M=10 M	
	A. Write classification of Glycoside according to glycosidic linkage with example?	5M	BP405T1, BP405T2	2,3
	B. Report types of Plant allergens with example.	5M	BP405T3 BP405T4	3,4
	C. Write chemical test of Gelatine and Cod liver oil?	5M	BP405T1, BP405T3 BP405T4	3,4,5
Q.3.	Long Answer Questions (Solve any One)		1QX10M=10M	
	A. How Alkaloids were classified, report with example and general chemical test?	10M	BP405T2 BP405T3	3,4,5
	B. Write types of marine drugs and its applications in pharmaceutical sciences?	10M	BP405T1, BP405T3 BP405T4	3,4,5

Mr. Vipul Dhasade
 Subject Teacher



Continuous Assessment Examination I (A. Y.2023-2024)
Subject: - Pharmacognosy and Phytochemistry I (BP405T)
Assignment Test

Class: - Second Year B. Pharm (Sem IV, 2019 P)
Date: - 10.04.2024

Time: 1 Hr.
Max. Marks: - 10

Question Paper with Mapping between Course Outcomes and Questions

Que. No.	Question	Marks	Course Outcome Number	BT level
Attempt any two of the following questions			5QX2M=10 M	
1.	To report nutritional requirement in plant tissue culture	5M	BP405T1, BP405T4	4, 5
2.	Write a note on polyploidy	5M	BP405T3 BP405T4	2, 3
3.	To enlist applications of plant tissue culture in Pharmacognosy	5M	BP405T1 BP405T2	4,5


Dr. Vipul Dhasade

Name and signature of faculty:



Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences and
Research Centre, Kharadi, Pune-411 014.**

Approved by AICTE, New Delhi, Government of Maharashtra, PCI, New Delhi; Affiliated to SPPU, Pune



Continuous Assessment Examination I (A. Y.2023-2024)
Subject: - Pharmacognosy and Phytochemistry I (BP405T)
Open Book Test

Class: - Second Year B. Pharm (Sem IV, 2019 P)
Date: - 03.03.2024

Time: 1 Hr.
Max. Marks: - 10

Question Paper with Mapping between Course Outcomes and Questions

Que. No.	Question	Marks	Course Outcome Number	BT level
Attempt any two of the following questions			5QX2M=10 M	
1.	Define pseudoalkaloids and write extraction methods of alkaloids	5M	BP405T1, BP405T4	4, 5
2.	Write chemical test for identification of glycosides and tannins	5M	BP405T3 BP405T4	2, 3
3.	Draw a well labelled diagram of leaves microscopy	5M	BP405T1 BP405T2	4,5

Dr. Vipul Dhasade

Name and signature of faculty:



Pune District Education Association's
**Shankarrao Ursal College of Pharmaceutical Sciences
& Research Centre, Kharadi, Pune**



**3. Internal Examination Marks seen
by students (A. Y. 2023-24)**

Answer
Seen

(8 Pages)

Exam Seat No. 02

Supervisor's Sign. [Signature]



Pune District Education Association's
**SHANKARRAO URSAL COLLEGE OF
PHARMACEUTICAL SCIENCES &
RESEARCH CENTRE**

Kharadi, Dist. : Pune - 411 014.

1st Sessional Examination 20 23 - 20 24
(Theory)

Class: S.Y. B. Pharm (Sem-III) Date: 08/11/23

Subject: Pharmaceutical Engineering

Q. No.	1	2	3	4	5	Total	Signature of Examiner
	07	06	07	-	=	20 30	<u>[Signature]</u>
Main Answer Sheet			No. of Suppliments			Total	
1			+ 1			= 2	

Note - 1) Begin writing here. 2) Write on both sides.

(Q.2)

1) Size reduction means the large material reduce into small size particles are called size reduction

2) principle : Ball Mill work on principle of impact and attraction

3) construction: ~~is~~ B

1) In Ball mill there are hollow metal cylinders which rotate on horizontal axis.

2) cylinder is made up of metal and rubber.

31/1/23
Pharm

Exam Seat No. 04

Supervisor's Sign. (8 Pages)



Pune District Education Association's
**SHANKARRAO URSAI COLLEGE OF
PHARMACEUTICAL SCIENCES &
RESEARCH CENTRE**

Kharadi, Dist. : Pune - 411 014.

¹st Sessional Examination 2023 - 2024
(Theory)

Class : S.Y.B Pharm Sem 2nd Date : 8/1/23

Subject : Pharmaceutical Engineering

Q. No.	1	2	3	4	5	Total	Signature of Examiner
	09	08	07	-	-	24 30	
Main Answer Sheet			No. of Suppliments			Total	
1			+ 2			= 3	

Note - 1) Begin writing here. 2) Write on both sides.

Q2]

1) Size Reduction:

size reduction is the process in which larger particles get converted into smaller particles is called as size reduction.

• Size reduction can be done by

- 1) Impact
- 2) Attrition
- 3) cutting
- 4) Shearing
- 5) Compression

seen 

(4 Pages)

Exam Seat No. 02

Supervisor's Sign. 



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Kharadi, Dist. : Pune - 411 014.

Continuous Assessment Examination 20 23 - 20 24

Class: S. Y. B. Pharm Test: Open Book Test

Subject: Pharmaceutical Engineering Date: 17/10/2023

08
/10

(Q.1) Short Note on Manometers?

(Q.2) Explain in brief Mechanisms involved in size reduction?

(Q.3) Describe the specification of standard sieve as per I.P.?

(Q.1)→

- 1) Manometers are devices used to measure the pressure difference values.
- 2) They are the tube gauges, measuring the differential pressure by balancing the liquid column whose pressure is to found out either by same or by another column.
- 3) There are three types of manometers
 - 1) Simple Manometer
 - 2) Differential Manometer
 - 3) Inclined tube manometer
- 4) Simple manometer is a tube gauge for measuring high as well as negative pressures.



Pune District Education Association's

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4. Internal Examination Marks Mother Register



Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre,
 Kharadi, Tal. Havelli, Dist. Pune - 411014.
 Internal Examination Mark Register - B.Pharm (Semester - IV)
 Academic Year - 2023 - 2024

000124

Maximum Marks
 Theory 25
 Practical 15

Name of Student	Roll No.	Exam. Seat No.	Subject										Sign of Student			
			Pharmaceutical organic chemistry - III		Medicinal chemistry I		Physical Pharmaceutics II		Pharmacology I		Pharmacognosy & Phytochemistry I			Complementary App ⁿ in Pharmacy		
			Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical	Theory	Practical		Theory	Theory	
Narke Shreya S.	47		21		20	12	21	13	20	10	20	12				<i>[Signature]</i>
Nirmal Kiran R.	48		20		17	12	19	11	18	08	16	9				<i>[Signature]</i>
Pathare Harshad R.	49		15		13	11	16	11	16	08	16	8				<i>[Signature]</i>
Pawar Aniket B.	50		19		20	12	19	13	19	12	17	11				<i>[Signature]</i>
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Punalkar Aishwarya S.	54		19		20	11	18	10	17	12	17	11				<i>[Signature]</i>
Rachmale Ajit M.	55		17		17	11	17	10	17	10	16	10				<i>[Signature]</i>
Ransing Mayur S.	56		15		14	09	16	09	17	10	16	9				<i>[Signature]</i>
Raul Yogiraj B.	57		15		19	11	19	10	17	12	17	8				<i>[Signature]</i>
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Salvi Sarika A.	60		17		20	12	19	11	18	12	19	11				<i>[Signature]</i>
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Senawane Bhagyashree	65		20		19	12	20	11	13	10	14	11				<i>[Signature]</i>
Sonkamble Dheemaj J.	66		18		20	12	19	11	18	12	18	10				<i>[Signature]</i>
Sonnad Khushi J.	67		14		18	11	16	10	15	09	13	11				<i>[Signature]</i>
Sorte Ashish A.	68		18		19	10	17	10	17	09	16	9				<i>[Signature]</i>
Sutar Rahul T.	69		20		18	10	18	10	16	09	16	9				<i>[Signature]</i>
Tambe Sakshi S.	70		19		18	10	18	10	17	10	19	10				<i>[Signature]</i>
Tamboli Safura A.	71		20		21	12	21	11	20	10	20	13				<i>[Signature]</i>
Ugale Pruthviraj S.	72		18		18	11	18	10	18	10	17	10				<i>[Signature]</i>
Waghmare Samiksha R.	73		18		18	10	20	10	16	09	18	9				<i>[Signature]</i>
Yadav Prashant R.	74		19		20	07	19	11	18	08	18	7				<i>[Signature]</i>
Zole Tushar A.	75		17		20	09	19	10	16	10	17	9				<i>[Signature]</i>

Internal Examination In Charge
 P.D.E.A.S.
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PRINCIPAL
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Sign. of Subject Teacher :

Exam. Incharge

Principal