



AISSMS

COLLEGE OF PHARMACY

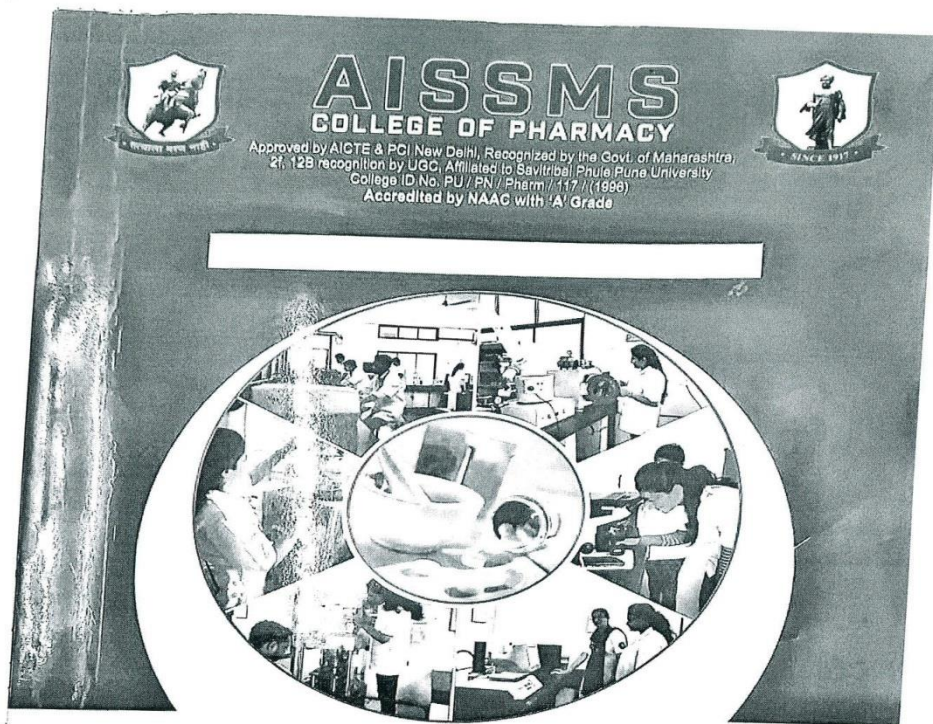
IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



Approved by AICTE & PCI New Delhi, Recognized by the Government of Maharashtra,
2F,12B recognition by UGC, Affiliated to Savitribai Phule Pune University
Accredited by NAAC with A Grade

INDEX

Sr. No	Particulars of documents	Document
	Additional Information	
1.4a	Sample copy of journal	View Document
1.4b	Program outcome of practical subject	View Document
1.4c	Course outcome of practical subject	View Document
1.4d	Notice from Exam Section	View Document
1.4e	Sample copy of question paper	View Document
1.4f	Communication to students CO-PO	View Document



Subject : _____
Teacher's Name : _____
Student's Name : _____
Class : _____ Sem : _____ Roll No : _____
Year : _____ Batch : _____
Examination Seat No.: _____




Principal
AISSMS College of Pharmacy
Pune-1

[BACK TO INDEX](#)

Exam. Seat No. _____

A. I. S. S. M. S
COLLEGE OF PHARMACY
 Kennedy Road, Near R. T. O., Pune - 411 001.




Certificate

This is to certify that Mr./Miss./Mrs. _____

Roll No. _____ has carried out the required

practical work prescribed by the Savitribai Phule Pune University for F.Y. /

S.Y. / T.Y. / Final Year / B.Pharm / M.Pharm (Sem-I / Sem-II) course in

and this record represents his / her work in college.

Date : _____

Teacher in Charge _____

Examiner Signature _____

Principal _____




Principal
AISSMS College of Pharmacy
Pune-1

PHARMACEUTICAL ORGANIC CHEMISTRY I


INDEX

Expt. No.	Name of Experiment	Date	Pg. No.	Lab Record (3 Marks)			Sign.
						TOTAL	
1.	To study basic laboratory concept and safety measures of organic chemistry		1				
2.	To Study Basic principles of Organic qualitative analysis		5				
3.	Detection of Melting point.		17				
4.	Detection of Boiling point		19				
5.	Distillation and Recrystallisation techniques		20				
6.	To perform Qualitative analysis of given organic compound.		22				
7.	To perform Qualitative analysis of given organic compound.		27				
8.	To perform Qualitative analysis of given organic compound.		32				
9.	To perform Qualitative analysis of given organic compound.		37				
10.	To perform Qualitative analysis of given organic compound.		42				
11.	To perform Qualitative analysis of given organic compound.		47				

AISSMS College of Pharmacy

Pune



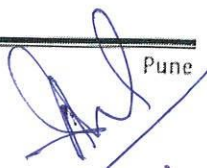

 Principal
 AISSMS College of Pharmacy
 Pune-1

PHARMACEUTICAL ORGANIC CHEMISTRY I

Expt. No.	Name of Experiment	Date	Pg. No.	Lab Record (3 Marks)			Sign.
						TOTAL	
12.	Preparation of solid derivatives from organic compounds		52				
13.	Construction of molecular models		54				

AISSMS College of Pharmacy




Pune
Principal
AISSMS College of Pharmacy
Pune-1

PHARMACEUTICAL ORGANIC CHEMISTRY I

AVERAGE OF LAB RECORD MARKS (Out of 3 M)

Sessional Exam Date	Experiment No.	Total Number of Experiments	Total Marks	Average Marks*	Signature of Teacher

* Average Marks = (Total Marks/ Total Number of Experiments)

MARKS OF CONTINUOUS MODE (Out of 5 M)

Attendance in Percentage	Marks for Attendance (2M)	Average Lab Records marks (3M)	Total marks of Continuous Mode (5M)


Completed and Certified On:
Incharge:

Name & Signature of Teacher

AISSMS College of Pharmacy

Pune




Principal
AISSMS College of Pharmacy
Pune-1

PROGRAM OUTCOME

AISSMS COLLEGE OF PHARMACY
KENNEDY ROAD, NEAR R.T.O. PUNE – 411 001

B.Pharm. Program Outcomes

On completion of B.Pharm. program, students will be able to

1. **Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
2. **Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
3. **Problem analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
4. **Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
5. **Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and wellbeing.
6. **Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
7. **Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
8. **Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
9. **The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
10. **Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.



Dr. Ashwini R Madgulkar

Principal
AISSMS College of Pharmacy
Pune-1



[BACK TO INDEX](#)

COURSE OUTCOME

PHARMACEUTICAL ORGANIC CHEMISTRY I

BP208P Pharmaceutical Organic Chemistry I– Practical

CO Number	Course Outcomes: Upon completion of course students will be able to –
BP 208P.1S	understand Basic Safety measures in an organic laboratory
BP 208P.2S	apply basic laboratory techniques: Calibration of thermometer, melting point, boiling point, distillation, and crystallization
BP 208P.3S	perform Systematic qualitative analysis and analyze of unknown organic compounds
BP 208P.4S	Prepare derivatives' for various organic compound functional groups
BP 208P.5S	demonstrate Building of molecular models of structures containing various functional groups

AISSMS College of Pharmacy

Pune




Principal
AISSMS College of Pharmacy
Pune-1

[BACK TO INDEX](#)

NOTICE from Exam section question paper design by considering CO-PO



AISSMS

COLLEGE OF PHARMACY

Approved by AICTE & PCI (MPC) Delhi. Recognized by the Government of Maharashtra
Approved by NAAC with A Grade



Notice (Staff)

Date: 30/8/2022

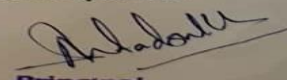
The time table for **First Sessional theory exam for Second year B. Pharm SEM III, Third year B. Pharm SEM V, Final year SEM VII and M Pharm SEM III 2019 pattern** for the academic year 2022-23 is as follows:

- Note:** 1) All staff members are required to submit **SOFT COPY** of proof checked question paper to exam section between **5th to 7th** September 2022. Please check the course structure for the question paper pattern of respective years according to syllabus pattern.
2) Sessional question paper for exam section should be submitted in regular format.
3) All staff should make a column and apply **CO-PO** for each question in sessional paper and maintain the copy in course file

Date	Day	Second Year Sem III 2019 Pattern	Third Year Sem V 2019 Pattern	Final Year Sem VII 2019 Pattern	M-Pharm Sem III 2019 pattern
12/09/2022	Mon	Pharmaceutical Organic Chemistry III	Medicinal Chemistry II	Instrumental Methods of Analysis	Research Methodology and Biostatistics
13/09/2022	Tue	Physical Pharmaceutics I	Industrial Pharmacy-I	Industrial Pharmacy-II	Introduction to constitution
14/09/2022	Wed	Pharmaceutical Microbiology	Pharmacology II	Pharmacy Practice	
15/09/2022	Thur	Pharmaceutical Engineering	Pharmacognosy and Phytochemistry II	Novel Drug Delivery System	-----
16/09/2022	Fri	-----	Pharmaceutical Jurisprudence	-----	

Note:

1. Please submit completed attendance sheets along with percent attendance calculated to exam section on 5th September till 12.30pm
2. Calculate attendance till 2nd September 2022
3. Attendance defaulters will not be allowed to appear for First sessional Theory exam
4. First Sessional Practical exam for above mentioned classes will be held during 19/September /2022 to 23/September/2022 according to regular batches.
5. No resessional will be conducted for absent students


Principal
AISSMS College of Pharmacy
Pune-1.

[BACK TO INDEX](#)

SAMPLE COPY OF QUESTION PAPER

**AISSMS COLLEGE OF PHARMACY, KENNEDY ROAD, NEAR R.T.O.,
PUNE 411 001**

**FIRST SESSIONAL THEORY EXAMINATION- Oct. 2023
FIRST YEAR M.PHARMACY 2019 PATTERN SEM-I
(Academic Year 2023-24)**

Sub.: Drug Delivery System

Max. Marks: 30

Time: 1.5 Hrs.

Date : 01/11/2023

Note: All the questions carry equal marks.

Value on the far right indicates mapping to Course Outcome

Q.1	Solve <u>ANY FIVE</u> of the following	Marks (10)	BT level	Course Outcome
a)	Distinguish live attenuated and killed vaccine		L4	MPH 102T.6K
b)	Outline the types of vaccine with example of each		L2	MPH 102T.6K
c)	What is single shot vaccine and give its significance		L1	MPH 102T.6K
d)	Explain the process of live attenuated vaccine?		L2	MPH 102T.6K
e)	Enumerate the factors affecting intraocular bioavailability		L1	MPH102T.4K
f)	List the various route of drug absorption for ocular drug delivery		L1	MPH102T.4K
g)	Explain in detail on Ocuserts		L2	MPH102T.4K
Q.2	Solve <u>ANY TWO</u> of the following	Marks (10)		
a)	Explain in detail mucosal delivery of vaccine		L2	MPH 102T.6K
b)	Illustrate Physical methods to overcome intraocular barriers		L2	MPH102T.4K
c)	Discuss diseases or conditions dependent on circadian rhythm		L1	MPH102T.1K
Q.3	Solve <u>ANY ONE</u> of the following	Marks (10)		
a)	Explain various physicochemical factors involved in efficiency of CRDDS		L2	MPH102T.1K
b)	Explain various biological factors affecting designing of CRDDS.		L2	MPH102T.1K

[BACK TO INDEX](#)



Dr. Ashwini R Madgulkar

Principal
AISSMS College of Pharmacy
Pune-1



--X---X---X---

Communication to students course outcome and program outcome

Introduce student program outcome & course outcome

Program Outcome

Primary Learning: Primary learning and comprehension of the core and basic knowledge associated with the profession of pharmacy including theoretical concepts, pharmaceutical sciences, medicinal and allied administrative pharmacy sciences, and manufacturing practice.

Primary Ability: Students achieve primary ability in applying the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.

Skills and Attitude: Skills in the practice of scientific enquiry, being analytical, critical and creative with writing policies and quality documents, being able to practice final analysis, evaluate and apply information systematically and deal with intricate decisions.

Values and Ethics: Learn values and apply appropriate technical procedures, maintain and adhere pharmacy ethics and comply with all the understanding of the law.

Learning Objectives:

1. Learning skills: Utilized all modes to learn course a drug, understand the history and evolution of pharmacy, design course to fulfill the needs of students, and assess the progress of the course.
2. Professional Skills: Utilized all modes to learn course a drug, understand the history and evolution of pharmacy, design course to fulfill the needs of students, and assess the progress of the course.
3. Personal Skills: Develop good communication skills, interpersonal skills, and ability to work in a team.
4. Communication Skills: Develop good communication skills, interpersonal skills, and ability to work in a team.

COURSE OUTCOME

CO	CO-1	CO-2	CO-3	CO-4	CO-5
CO-1	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.
CO-2	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.
CO-3	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.
CO-4	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.
CO-5	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.	Apply the concepts of various management strategies with professional skills, thereby an expert pharmacist and a person with a high level of competence.

4 **5** **6** **7** **8** **9** **10**

Principal
AISSMS College of Pharmacy
Pune-1

[BACK TO INDEX](#)