



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

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

Document list

- Sessional Examination Internal Assessment Flow Chart (B. Pharm., M. Pharm., Pharm D.)
- Internal Marks Register (B. Pharm., M. Pharm., Pharm D.)
- Sessional Mark list and Final evaluation sheet formats
- Sessional Exam Notices & Timetable (B. Pharm., M. Pharm., Pharm D.)
- CO mapped question paper theory & practical (B. Pharm., M. Pharm., Pharm D.)
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- Journal Index with marks (B. Pharm., M. Pharm., Pharm D.)
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Assessment of Internal Examination



B.Pharmacy

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B. Pharmacy 2019 PCI Pattern Internal Examination (Theory)

Sessional Exams

Sessional exam shall be conducted for 30 marks for theory and computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks. The average marks of two sessional exams will be computed for internal assessment.

| Exam Type | Duration | Marks |
|-----------|----------|----------|
| Theory | 2 | 30 Marks |
| Practical | 2 | 40 Marks |

For subjects having University exams



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

For subjects having Non University Examination

- I. Long Answers (Answer 1 out of 2) = $1 \times 10 = 10$
- II. Short Answers (Answer 4 out of 6) = $4 \times 5 = 20$
- Total 30 marks**

Practical

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

 
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**Scheme for awarding internal assessment:
Continuous mode (B. Pharm.)**

| Theory | | Percentage of Attendance | Theory |
|---|---------------|--------------------------|--------|
| Criteria | Maximum Marks | | |
| Attendance | 4 2 | 95 – 100 | 4 |
| Academic activities (Average of any 2 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar) | 4 3 | 90 – 94 | 3 |
| | | 85 – 89 | 2 |
| | | 80 – 84 | 1 |
| Student – Teacher interaction | 2 5 | Less than 80 | 0 |
| Total | 10 5 | | |

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**Scheme for awarding internal assessment:
Continuous mode (B. Pharm.)**

| Practical | | Percentage of Attendance | Practical |
|---|---------------|--------------------------|-----------|
| Criteria | Maximum Marks | 95 – 100 | 2 |
| Attendance | 2 | 90 – 94 | 1.5 |
| Based on Practical Records, Regular viva voce, etc. | 3 | 85 – 89 | 1 |
| | | 80 – 84 | 0.5 |
| Total | 5 | Less than 80 | 0 |



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M.Pharmacy

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**M. Pharmacy 2019 PCI Pattern
Internal Examination**

Sessional Exams

The sessional exam will be conducted for 30 marks and computed for 15 marks. The average marks of two sessional exams will be computed for internal assessment .

Theory 2
30 Marks

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 30 marks

Practical 2
30 Marks

I. Synopsis = 05
II. Experiments = 20
III. Viva voce = 05
Total 30 marks


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**Scheme for awarding internal assessment:
Continuous mode (M. Pharm.)**

| Theory | | Percentage of Attendance | Theory | Practical | | | |
|---|---------------|--------------------------|----------|-----------|-------------|---|-----|
| Criteria | Maximum Marks | | | | | | |
| Attendance | 8 | 95 – 100 | 8 | 10 | | | |
| Student – Teacher interaction | 2 | 90 – 94 | 6 | 7.5 | | | |
| Total | 10 | 85 – 89 | 4 | 5 | | | |
| Practical | | Percentage of Attendance | Theory | Practical | | | |
| Attendance | 10 | | | | 80 – 84 | 2 | 2.5 |
| Based on Practical Records, Regular viva voce, etc. | 10 | | | | Less than 8 | 0 | 0 |
| Total | 20 | | | | | | |


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**M. Pharm. Semester III & IV
Journal Club, Research work & Proposal Presentation**

| Semester | III | IV |
|-----------------------|-----|-----|
| Journal Club | 25 | 25 |
| Proposal Presentation | 50 | 75 |
| Research work | 350 | 400 |

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M. Pharm. Semester I & II Seminar and Assignment Evaluation

| Seminar | | Assignment | |
|---|-----------------|--|-----------------|
| a. Reference work and scientific contents | 10 marks | a. Structure, organization and content | 20 marks |
| b. Communication skill | 05 marks | b. Creativity and originality | 05 marks |
| c. Discussion/defense | 05 marks | c. Compilation of information | 10 marks |
| d. Presentation | 30 | d. Literature resources | 10 marks |
| e. Reference style | | e. Reference style | 05 marks |
| Total | 50 marks | Total | 50 marks |



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**M. Pharm. Semester III & IV
Journal Club, Research work & Proposal Presentation**

Journal Club

| Presentation | Communication Skill | Question Answer Skill | Depth of Knowledge | Innovation in presentation | Total |
|--------------|---------------------|-----------------------|--------------------|----------------------------|-------|
| 5 | 5 | 5 | 5 | 5 | 25 |

Research work

| Research Hypothesis & Objective | Literature Survey | Experimental Work | Scientific Contents | Result | Total Marks |
|---------------------------------|-------------------|-------------------|---------------------|--------|-------------|
| 75 | 100 | 100 | 50 | 25 | 350 |

Proposal Presentation

| Selection of Research Topic & Their Applicability | Introduction & Information Retrieval Systems | Reading Research Papers | Skill in Oral Presentation | Total Marks |
|---|--|-------------------------|----------------------------|-------------|
| 15 | 10 | 10 | 15 | 50 |

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Pharm D



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Internal Assessment for Pharm D.

| | Theory Sessional | Practical Sessional |
|---------------------------|------------------|---------------------|
| No. of Sessional per year | 03 | 03 |
| Marks for each sessional | 30 | 30 |

Distribution of marks for Theory Sessional Examination

| Q. No | Type of Question | Marks |
|-------|--------------------------------------|-----------------|
| 1 | Objective Type Question (5 out of 7) | 10 |
| 2 | Short Answer (2 out of 3) | 10 |
| 3 | Long Answer (1 out of 2) | 10 |
| | Total | 30 Marks |

Distribution of marks for Practical Sessional Examination

| Q. No | Type of Question | Marks |
|-------|--|-----------------|
| 1 | Synopsis/ Identification | 02-05 |
| 2 | Major Experiment | 07-10 |
| 3 | Minor Experiment | 03-04 |
| 4 | Viva | 02 |
| 5 | Regularity, promptness, record maintenance | 10 |
| | Total | 30 Marks |

Distribution of marks for Project Work

| Q. No | Type of Question | Marks |
|-------|----------------------------|-----------------|
| 1 | Write up of the seminar | 7.5 |
| 2 | Presentation of work | 7.5 |
| 3 | Communication skills | 7.5 |
| 4 | Question and answer skills | 7.5 |
| | Total | 30 Marks |

Distribution of marks for Clerkship

| Clerkship Examination | Marks |
|---|-----------------|
| Three sessional exams will be conducted, the highest aggregates of any two performances shall form the basis of calculating sessional marks | 30 Marks |




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Internal Marks Register

MODERN COLLEGE OF PHARMACY

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.

Internal marks Statement for Academic Year : 20 23- 20 24

Pharm D.

Class : First Year Subject : Med. Biochem Subject Incharge : Dr. Anamika P. Phoyar

| Roll Call | Seat No. | Name of Student | Theory / Practical | | | | Sign |
|-----------|----------|--------------------|--------------------|----|-----|-----|-----------------|
| | | | Sessional | | | | |
| | | | I | II | III | AVG | |
| | | Out of → | 30 | 30 | 30 | 30 | |
| PD101 | | Banne Varad | 23 | 25 | 25 | 25 | <i>Anand</i> |
| PD102 | | Buchade Manavi | 26 | 28 | 28 | 28 | <i>Deshmukh</i> |
| PD103 | | Deshmukh Ritesh | 20 | 27 | 27 | 27 | <i>Ind</i> |
| PD104 | | Dongare Avani | 23 | 27 | 25 | 26 | <i>Arav</i> |
| PD105 | | Gite Manasvi | 21 | 26 | 07 | 24 | <i>Shik</i> |
| PD106 | | Hajare Bhakti | 23 | 22 | 23 | 23 | <i>Bhak</i> |
| PD107 | | Hole Sanika | 25 | 28 | 26 | 27 | <i>Shik</i> |
| PD108 | | Huse Atharva | 20 | 20 | 23 | 22 | <i>Mun</i> |
| PD109 | | Jadhav Vardhini | 25 | 28 | 28 | 28 | <i>Hathar</i> |
| PD110 | | Tagtap Anurag | 23 | 22 | 07 | 23 | <i>Tag</i> |
| PD111 | | Kale Aditi | 24 | 26 | 23 | 25 | <i>Adit</i> |
| PD112 | | Kiravale Anjali | 26 | 23 | 28 | 27 | <i>Anjal</i> |
| PD113 | | Mane Apurva | 26 | 27 | 28 | 28 | <i>Apur</i> |
| PD114 | | Manjare Ajay | 26 | 27 | 26 | 27 | <i>Manj</i> |
| PD115 | | Mishra Nihal | 23 | 22 | 26 | 25 | <i>Nihal</i> |
| PD116 | | Nandode Atharv | 26 | 26 | 25 | 26 | <i>Athar</i> |
| PD117 | | Pawar Tanisha | 21 | 24 | 07 | 23 | <i>Paw</i> |
| PD118 | | Pawar Yash | 28 | 28 | 28 | 28 | <i>Yash</i> |
| PD119 | | Phadke Priti | 24 | 25 | 28 | 27 | <i>Phad</i> |
| PD120 | | Ransubhe Aditi | 23 | 26 | 26 | 26 | <i>Rans</i> |
| PD121 | | Sawant Anisha | 22 | 25 | 07 | 24 | <i>Saw</i> |
| PD122 | | Sawant Prasanna | 26 | 28 | 28 | 28 | <i>Saw</i> |
| PD123 | | Sheikh Shamapaveen | 26 | 27 | 26 | 27 | <i>Shei</i> |
| PD124 | | Shinde Sarthak | 21 | 23 | 07 | 22 | <i>Shin</i> |
| PD125 | | Tighade Manisha | 21 | 27 | 25 | 26 | <i>Tigh</i> |
| PD126 | | Walunj Tanushri | 27 | 28 | 27 | 28 | <i>Wal</i> |



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Sign

Initial

B

APB

B

APB

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APB

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APB

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APB



Marklist of Internal Examination & Evaluation Sheet Formats



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Sector 21, Yamunanagar, Nigadi, Pune - 411 044, India



Academic Year: [2023-2024]

Student Mark list

Examination: Ist Sessional Examination (Theory/Practical)

Subject: P'cognasy & phytochemistry II

Course Code: BP 504T

Class: T. Y. B. Pharm (Div B)

Sem.: V

Number of Students Present: 60 Number of Students absent: 02

| Roll No. | Marks | Roll No. | Marks | Roll No. | Marks |
|----------|-------|----------|-------|----------|-------|
| 3061 | 24 | 3088 | 17 | 3115 | 10 |
| 3062 | 19 | 3089 | 12 | 3116 | 14 |
| 3063 | 16 | 3090 | 09 | 3117 | 19 |
| 3064 | 15 | 3091 | 22 | 3118 | 25 |
| 3065 | 21 | 3092 | 21 | 3119 | 20 |
| 3066 | 25 | 3093 | 15 | 3120 | 09 |
| 3067 | 16 | 3094 | 22 | 3121 | 05 |
| 3068 | 17 | 3095 | 15 | 3122 | 18 |
| 3069 | 11 | 3096 | 07 | | |
| 3070 | 21 | 3097 | 08 | | |
| 3071 | 22 | 3098 | 17 | | |
| 3072 | Ab | 3099 | 08 | | |
| 3073 | 18 | 3100 | 19 | | |
| 3074 | 24 | 3101 | 11 | | |
| 3075 | 13 | 3102 | 14 | | |
| 3076 | 17 | 3103 | 17 | | |
| 3077 | 21 | 3104 | 17 | | |
| 3078 | 22 | 3105 | 25 | | |
| 3079 | 10 | 3106 | 23 | | |
| 3080 | 14 | 3107 | 08 | | |
| 3081 | 21 | 3108 | Ab | | |
| 3082 | 18 | 3109 | 21 | | |
| 3083 | 19 | 3110 | 18 | | |
| 3084 | 16 | 3111 | 12 | | |
| 3085 | 13 | 3112 | 19 | | |
| 3086 | 22 | 3113 | 16 | | |
| 3087 | 07 | 3114 | 19 | | |



[Signature]
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Sector No 21, Yamunanagar, Nigdi,
Pune - 411 044.

| Sr. No. | Name of Examiner | Sign |
|---------|------------------|--------------------|
| 1. | Dr. B. P. Pimple | <i>[Signature]</i> |
| 2. | Mrs. S. A. Vadje | <i>[Signature]</i> |

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Evaluation sheet

Academic Year-2023-24

Class- Third d Year B. Pharm Sem V Div: A

Subject- Pharmacology-II

Practical_2019 pattern

Subject code-BP507P

Batch : A

| Roll No | First name | Marks (out of 40) | | Average | Final Mar | Credit 1 | Credit 2 | Total CA | Total (15 | Final Mar | Signature of students |
|---------|--------------------------------|-------------------|--------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------------------|
| | | Sess 1 | Sess 2 | Out of 40 | Out of 10 | Out of 3 | Out of 2 | Out of 05 | Out of 15 | Out of 15 | |
| 3001 | Adhalrao Vaishnavi Dnyaneshwar | 36 | 30 | 33 | 8.25 | 3 | 2 | 5 | 13.25 | 13. | <i>Adhalrao</i> |
| 3002 | Adhav Atharv Raju | 31 | 27 | 29 | 7.25 | 3 | 2 | 5 | 12.25 | 12. | <i>Adhav</i> |
| 3003 | Adsul Jivan Kantilal | 31 | 27 | 29 | 7.25 | 3 | 2 | 5 | 12.25 | 12. | <i>Adsul</i> |
| 3004 | Aglave Akanksha Sanjay | 33 | 25 | 29 | 7.25 | 3 | 2 | 5 | 12.25 | 12. | <i>Aglave</i> |
| 3005 | Akolkar Shrutika Bhimraj | 33 | 25 | 29 | 7.25 | 3 | 2 | 5 | 12.25 | 12. | <i>Shrutika</i> |
| 3006 | Alhat Prajwal Subhash | 35 | 36 | 35.5 | 8.875 | 3 | 2 | 5 | 13.88 | 14. | <i>Prajwal</i> |
| 3007 | Ambekar Sumit Eknath | 30 | 31 | 30.5 | 7.625 | 3 | 2 | 5 | 12.63 | 13. | <i>Sumit</i> |
| 3008 | Atole Vaishnavi Pramod | 34 | 35 | 34.5 | 8.625 | 3 | 2 | 5 | 13.63 | 14. | <i>Atole</i> |
| 3009 | Badhale Unmesha Chandrakant | 33 | 35 | 34 | 8.5 | 3 | 2 | 5 | 13.50 | 14. | <i>Unmesha</i> |
| 3010 | Bagalkot Priti Mohan | 31 | 33 | 32 | 8 | 3 | 2 | 5 | 13.00 | 13. | <i>Priti</i> |
| 3011 | Barge Kunal Gajanan | 30 | 32 | 31 | 7.75 | 3 | 2 | 5 | 12.75 | 13 | <i>Kunal</i> |
| 3012 | Barhate Jay Jitendra | 32 | 31 | 31.5 | 7.875 | 3 | 2 | 5 | 12.88 | 13 | <i>Jay</i> |
| 3013 | Bhagwat Dnyanoba Bochare | 27 | 31 | 29 | 7.25 | 3 | 2 | 5 | 12.25 | 12. | <i>Bhagwat</i> |
| 3014 | Bhale Geetanjali Narayan | 37 | 36 | 36.5 | 9.125 | 3 | 2 | 5 | 14.13 | 14. | <i>Geetanjali</i> |
| 3015 | Bhandare Akanksha Abhijit | 34 | 36 | 35 | 8.75 | 3 | 2 | 5 | 13.75 | 14. | <i>Akanksha</i> |
| 3016 | Bhosale Sanket Dattatray | 24 | 28 | 26 | 6.5 | 2 | 1 | 3 | 9.50 | 10. | <i>Sanket</i> |
| 3017 | Bhumkar Pankaj Vijaykumar | 34 | 31 | 32.5 | 8.125 | 3 | 2 | 5 | 13.13 | 13. | <i>Pankaj</i> |
| 3018 | Birje Siddhi Omprakash | 31 | 34 | 32.5 | 8.125 | 3 | 2 | 5 | 13.13 | 13. | <i>Siddhi</i> |
| 3019 | Bisane Nisarga Nandkishor | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 3.00 | 3. | <i>Nisarga</i> |
| 3020 | Bobade Durga Manoj | 34 | 33 | 33.5 | 8.375 | 3 | 2 | 5 | 13.38 | 13. | <i>Durgabai</i> |
| | | | | | | | | | | | |
| | | | | | | | | | | | |



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Academic Year: [2023 - 24] |

Student Mark list

Examination: ^{1st} Sessional Examination (Theory/~~Practical~~)

Subject: Adv. Med. Chem.

Course Code:

Class: M. Pharm

Sem.: ^I

Number of Students Present:16..... Number of Students absent:57.....

| Roll No. | Marks | Roll No. | Marks | Roll No. | Marks |
|----------|-------|----------|-------|----------|-------|
| CH101 | 15 | | | | |
| CH102 | 14 | | | | |
| CH103 | 20 | | | | |
| CH104 | 23 | | | | |
| CH105 | 19 | | | | |
| CH106 | 20 | | | | |
| CH107 | 27 | | | | |
| CH108 | 20 | | | | |
| CH109 | 18 | | | | |
| CH110 | 17 | | | | |
| CH111 | 22 | | | | |
| CH112 | 11 | | | | |
| CH113 | 12 | | | | |
| CH114 | 17 | | | | |
| CH115 | 23 | | | | |
| CH116 | 25 | | | | |



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| Sr. No. | Name of Examiner | Sign |
|---------|--------------------|------|
| 1 | Dr. Anilraj Jaalle | |

Evaluation sheet

Progressive Education Society's
Modern College of Pharmacy Nigdi Pune

Academic Year: 2023-24 Internal marks (Theory)

Year: First Year M Pharm – Semester: II : Subject: Pharmaceutical Process Chemistry - Theory

Marks: 25

| Roll No | Name | First sessional (Out of 30) | Second sessional (Out of 30) | Average out of 30 | Converted out of 15 | CA out of 10 M | Total out of 25 M |
|---------|--------------------------|-----------------------------|------------------------------|-------------------|---------------------|----------------|-------------------|
| CH 1 01 | BHOI HEMANT VIJAY | 28 | 21 | 25 | 13 | 9 | 22 |
| CH 1 02 | BORA SANKET RAJENDRA | 25 | 23 | 24 | 12 | 9 | 21 |
| CH 1 03 | DHAMAL SAKSHI SANJAY | 25 | 19 | 22 | 11 | 9 | 20 |
| CH 1 04 | DIGHE YOGITA GANPAT | 24 | 20 | 22 | 11 | 9 | 20 |
| CH 1 05 | DOIFODE KOMAL JOTIRAM | 26 | 20 | 23 | 12 | 9 | 21 |
| CH 1 06 | JADHAV KISHORI N | 25 | 24 | 25 | 13 | 9 | 22 |
| CH 1 07 | MORKHADE SHIVANI | 28 | 24 | 26 | 13 | 9 | 22 |
| CH 1 08 | PACHPHU LE ANUJA HARIDAS | 27 | 24 | 26 | 13 | 9 | 22 |
| CH 1 09 | PANDIT AISHWARYA SUNIL | 24 | 23 | 24 | 12 | 9 | 21 |
| CH 1 10 | PHALAKE SATYAJIT RAM | 26 | 19 | 23 | 12 | 9 | 21 |
| CH 1 11 | SALUNKE M UKUND A | 26 | 24 | 25 | 13 | 9 | 22 |
| CH 1 12 | VALVI ROHIT VILAS | 25 | 21 | 23 | 12 | 9 | 21 |
| CH 1 13 | VHANALE PRAFULL V | 27 | 18 | 23 | 12 | 9 | 21 |
| CH 1 14 | WADIKAR NAGESH RAJENDRA | 27 | 23 | 25 | 13 | 9 | 22 |
| CH 1 15 | WAKADE SHEJAL KAILAS | 25 | 23 | 24 | 12 | 9 | 21 |
| CH 1 16 | WAMAN PRADNYA RAJESH | 29 | 25 | 27 | 14 | 9 | 23 |

Signature of Teachers

(Dr. V. V. Chopale)



Principal
Dr. P. D. Chaudhar
Principal
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Academic Year: 2023 - 24 |

Student Mark list

Examination: rd IIIrd Sessional Examination (Theory/Practical) ✓
Subject: Pharmaceutical Inorganic Chem Subject Code: 151
Class: F. Y. Pharm P.
Number of Students Present: 24 Number of Students absent: 02

| Roll No. | Marks | Roll No. | Marks | Roll No. | Marks |
|----------|-------|----------|-------|----------|-------|
| PD-101 | A- | | | | |
| 102 | 25 | | | | |
| 103 | 21 | | | | |
| 104 | 23 | | | | |
| 105 | 23 | | | | |
| 106 | 22 | | | | |
| 107 | 25 | | | | |
| 108 | A- | | | | |
| 109 | 25 | | | | |
| 110 | 19 | | | | |
| 111 | 25 | | | | |
| 112 | 25 | | | | |
| 113 | 23 | | | | |
| 114 | 23 | | | | |
| 115 | 21 | | | | |
| 116 | 25 | | | | |
| 117 | 15 | | | | |
| 118 | 25 | | | | |
| 119 | 23 | | | | |
| 120 | 24 | | | | |
| 121 | 19 | | | | |
| 122 | 22 | | | | |
| 123 | 23 | | | | |
| 124 | 21 | | | | |
| 125 | 23 | | | | |
| 126 | 23 | | | | |

| Sr. No. | Name of Examiner | Signature with Date |
|---------|---------------------|---------------------|
| 1. | Ms. V.S. Bavadelkar | |



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Timetables & Notices of Internal Examination

P. E. Society's Modern College of Pharmacy, Nigdi, Pune

Academic Year 2023-24

Date: 20/10/2023

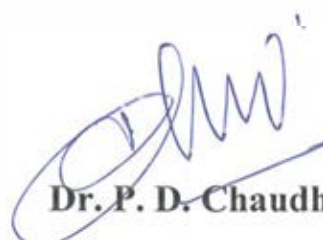
Sessional Examination Notice

All faculty members of F.Y., S.Y., T.Y., Final Yr. B. Pharm., F.Y. and S.Y. M. Pharm. (2019 P) should note that second theory sessional examination of semesters V and VII and first theory sessional examination of semesters I & III is scheduled from 21/11/2023 to 28/11/2023. Respective practical sessional examinations are scheduled from 02/11/2023 to 09/11/2023 as per regular timetable. The respective staff members should submit printed copies of the question paper (two copies adjusted on one paper and 3 intact copies of CO mapped question paper in VMEdulife format) to the undersigned on or before 20/11/2023.



Dr. A. R. Balap

Exam In-charge



Dr. P. D. Chaudhari

Principal

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Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

Sessional Examination (Theory) Time Table

Academic Year 2023-24

F. Y. B. Pharm., S. Y. B. Pharm., T. Y. B. Pharm., Final Yr. B. Pharm. & M. Pharm. (2019 Pattern)

B. Pharm. Semester -I, III, V & VII, M. Pharm. Semester-III

| Date & Day | F. Y. B. Pharm. (2019 Pattern) (Sem-I) | S. Y. B. Pharm. (2019 Pattern) (Sem-III) | T. Y. B. Pharm. (2019 Pattern) (Sem-V) | Final Yr. B. Pharm. (2019 Pattern) (Sem-VII) | M. Pharm. (2019 Pattern) Semester-III |
|-------------------------|--|--|--|--|---|
| | Time: 3.00 to 4.30 pm | Time: 1.00 to 2.30 pm | Time: 11.00 am to 12.30 pm | Time: 9.00 to 10.30 am | 3.00 to 4.30 pm |
| 21/11/2023 Tuesday | Human Anatomy and Physiology I | Pharmaceutical Organic Chemistry II | Medicinal Chemistry II | Instrumental Methods of Analysis | --- |
| 22/11/2023 Wednesday | Pharmaceutical Analysis I | Physical Pharmaceutics | Industrial Pharmacy-I | Industrial Pharmacy-II | Research Methodology and Biostatistics* |
| 23/11/2023 Thursday | Pharmaceutics I | Pharmaceutical Microbiology | Pharmacology II | Pharmacy Practice | --- |
| 24/11/2023 Friday | Pharmaceutical Inorganic Chemistry | Pharmaceutical Engineering | Pharmacognosy and Phytochemistry II | Novel Drug Delivery System | Introduction to Constitution |
| | Only for Saturday Time: 11.00 am to 12.30 pm | | Only for Saturday Time: 8.30 to 10.00 am | | |
| 25/11/2023 Saturday | Communication skills | --- | Pharmaceutical Jurisprudence | --- | --- |
| 28/11/2023 Tuesday | Remedial Biology/Mathematics | | | | |

Note: 1. Examination will be offline.

2. Students should report 15 minutes before the examination time with ID card.

3. Students will not be allowed to enter the exam premises after said time.

4. Any kinds of watches, mobile phones or any other electronic/communication devices are STRICTLY PROHIBITED inside the examination hall.

Dr. A. R. Balap

Exam in-Charge



Dr. P. D. Chaudhari

Principal

P.E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

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PES's Modern College of Pharmacy, Nigdi, Pune-44.

Academic Year 2023-24

Date: 26/02/2024

Notice

All students of M. Pharm (2019 P) should note that First Theory Sessional Examination of Semester II respectively is scheduled from 16/03/2024 to 23/03/2024. Practical Sessional Examination of respective class is scheduled from 09/03/2024 to 15/03/2024 as per regular time table.



Mrs. P. V. Bagade

Exam in-Charge



Dr. P. D. Chaudhari

Principal

Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No. 21
Nigdi, Pune - 411044



PES's Modern College of Pharmacy, Nigdi, Pune-44.

First Sessional Examination (Theory)

F. Y. M. Pharm. (2019 Pattern) Semester – II

Academic Year 2023-24

Time Table

| Date & Day | PH | PCHEM | PQA | PCOL |
|---------------------------------|---|--|---|--|
| | Time: 10.30 am to 12.00 pm | | | |
| 18/03/2024 Monday | Molecular Pharmaceutics (Nano Tech and Targeted DDS) | Advanced Spectral Analysis | Hazards and Safety Management | Advanced Pharmacology- II |
| 19/03/2024 Tuesday | Advanced Biopharmaceutics & Pharmacokinetics | Advanced Organic Chemistry-II | Pharmaceutical Validation | Pharmacological and Toxicological Screening Methods- II |
| 20/03/2024 Wednesday | Computer Aided Drug Delivery System | Computer Aided Drug Design | Audits and Regulatory Compliance | Principles of Drug Discovery |
| 21/03/2024 Thursday | Cosmetic and Cosmeceuticals | Pharmaceutical Process Chemistry | Pharmaceutical Manufacturing Technology | Clinical research and pharmacovigilance |

Note: 1. Examination will be offline.

2. Students should report 15 minutes before the examination time with ID card.

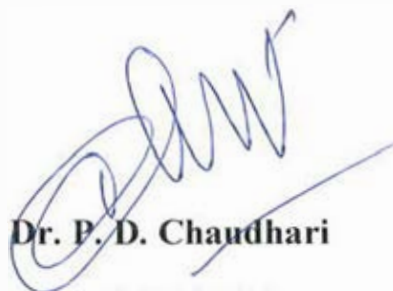
3. Students will not be allowed to enter the exam premises after said time.

4. Any kinds of watches, mobile phones or any other electronic/communication devices are STRICTLY PROHIBITED inside the examination hall.



Ms. P. V. Bagade

Exam in-Charge



Dr. P. D. Chaudhari

Principal

P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No. 21
Nigdi, Pune - 411044

P. E .S.'s. Modern College of Pharmacy, Nigdi, Pune.

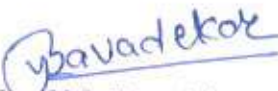
Third Sessional Examination
Pharm. D

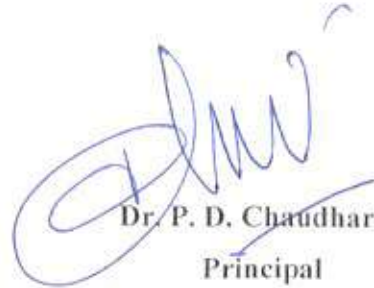
Academic Year 2023-24

Date: 15/03/2024

Notice

All the teaching staff members should note that the Theory Sessional Examination of F.Y, S.Y, T.Y, Fourth Year, Fourth Year (PB), Fifth year Pharm D is scheduled from 08/04/2024 to 19/04/2024. Practical Sessional Examination of F.Y, S.Y, T.Y, Fourth Year, Fourth Year (PB) Pharm D is scheduled from 01/04/2024 to 06/04/2024 as per regular practical schedule.


Mrs. V.S. Bavadekar
Exam In-Charge


Dr. P. D. Chaudhari
Principal
Principal
P. E. Society's
Modern College of Pharmacy
Yamunanagar Sector No. 21
Nigdi, Pune - 411044



P. E.S.'s. Modern College of Pharmacy, Nigdi, Pune.
Third Sessional Examination (Theory) Timetable
Pharm. D
Academic Year 2023-24

| Date & Day | First Year | Second Year | Third Year | Fourth Year | Fifth Year |
|-------------------------|------------------------------------|--------------------------------------|------------------------------|---|--|
| 08/04/2024 Monday | Human anatomy and Physiology | Pathophysiology | Pharmacology-II | Pharmacotherapeutics-III | Clinical Research |
| 10/04/2024 Wednesday | Pharmaceutics | Pharmaceutical Microbiology | Pharmaceutical Analysis | Hospital Pharmacy | Pharmacoepidemiology and Pharmacoconomics |
| 12/04/2024 Friday | Medicinal Biochemistry | Pharmacognosy & Phytopharmaceuticals | Pharmacotherapeutics-II | Clinical Pharmacy | Clinical Pharmacokinetics & Pharmacotherapeutic DrugMonitoring |
| 13/04/2024 Saturday | Pharmaceutical Organic Chemistry | Pharmacology-I | Pharmaceutical Jurisprudence | Biostatistics & Research Methodology | -- |
| 15/04/2024 Monday | Pharmaceutical Inorganic Chemistry | Community Pharmacy | Medicinal Chemistry | Biopharmaceutics & Pharmacokinetics | -- |
| 16/04/2024 Tuesday | Remedial Mathematics | Pharmacotherapeutics-I | Pharmaceutical Formulations | Clinical Toxicology | -- |
| 18/04/2024 Thursday | Democracy & Governance | - | - | Pharmacotherapeutics I & II (FOR PB STUDENTS) | - |
| 19/04/2024 Friday | | - | - | Constitution | - |

Time: 8.30-10.00 am

Note:

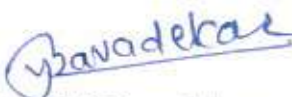
1. Students should report 15 minutes before the examination time with ID Card.
2. Students will not be allowed to enter the exam premises after said time
3. Any kinds of watches, mobile phones or any other electronic/communication devices are strictly prohibited inside the examination hall.

Exam Pattern

Q.1. 2 marks X 5 questions (out of seven) = 10 marks

Q.2. 5 marks X 2 questions (out of three) = 10 marks

Q.3 10 marks X 1 questions (out of two) = 10 marks


Mrs. V. S. Bavadekar
Exam In-charge




Dr. P. D. Chaudhari
Principal
 Principal
 P. E. Society's
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 Munanagar Sector No. 21
 411044

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**Question Paper With
Course Outcome
Mapping
(Theory & Practical)**



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

B. Pharmacy [2023-24]

Sessional-II Theory exam

Subject : Pharmacy Practice - Theory **Faculty :** Dr. Padmaja Santosh Kore


Year : Final Year - VII (Div A) Final Yr. B. Pharm **Marks :** 30 **Date :** 8 November, 2023 **Duration :** 90 Minutes

Sample Instructions for candidates


- Figures to the right indicate full marks.

- Draw neat diagram wherever necessary.

| Sr.No. | Question | Marks | Course Outcome | Blooms Level |
|--------|--|-------|---------------------|-----------------------------|
| 1 | Q-1 Solve any 5 questions out of 7 -----10M | | | |
| 2 | 1. Explain the functions of pharmacy and therapeutic committee. | 2.00 | CO1,CO2,CO3,CO4,CO5 | Evaluate,Analyze,Understand |
| 3 | 2. What is automatic stop order. | 2.00 | CO1,CO2,CO3,CO4,CO5 | Remember |
| 4 | 3. What are the policies of PTC to include the drugs in the formulary? | 2.00 | CO1,CO2,CO3,CO4,CO5 | |
| 5 | 4. Add a note on emergency drug list preparation. | 2.00 | CO1,CO2,CO3,CO4,CO5 | |
| 6 | 5. Explain patient counselling steps. | 2.00 | CO3 | Evaluate,Understand |
| 7 | 6. Add a note on inpatient and outpatient prescriptions. | 2.00 | CO1,CO2,CO5 | |
| 8 | 7. Explain in short the concept of DIC. | 2.00 | CO1,CO2,CO3,CO4,CO5 | |
| 9 | Q-2 Attempt any 1 out of 2 -----10 M | | | |
| 10 | 1. Explain the roles and responsibilities of clinical pharmacist. | 10.00 | CO1,CO2,CO3,CO4,CO5 | Evaluate,Understand |
| 11 | 2. Explain in detail Blood chemistry, hematology, and urinalysis. | 10.00 | CO6 | Evaluate,Understand |
| 12 | Q-3 Attempt any 2. out of three -----10M | | | |
| 13 | 1. Add a note on budget preparation and its implementation in clinical pharmacy. | 5.00 | CO1,CO2,CO3,CO4,CO5 | |
| 14 | 2. All a note on role of pharmacist in the education and training programs. | 5.00 | CO1,CO2,CO3,CO4,CO5 | |
| 15 | 3. Explain Code of ethics for community pharmacy. | 5.00 | CO1,CO2,CO3,CO4,CO5 | |


Subject Incharge,
Dr. Padmaja S. Kore




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Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

Pharmaceutical Quality Assurance.

First sessional exam - 2023-24

Subject : [MQA 201T] Hazards and Safety Management - Theory **Faculty :** Dr Ujwala Desai

Year : First Year - Sem-II **Marks :** 30 **Date :** 18 March, 2024 **Duration :** 90 Minutes

Figures to the right indicate full marks.

- Draw neat diagram wherever necessary.

- Assume suitable data if necessary, stating it clearly.

1 Q.1 Answer any 5 out of 7

1.1

1. Discuss in short mineral resources.

(2.00 Marks)

Bloom's Level : Create, Understand **Course Outcome :** CO1, CO2

1.2 2. Define deforestation. Write various causes for deforestation.

(2.00 Marks)

Bloom's Level : Apply, Remember **Course Outcome :** CO1, CO2, CO3

1.3 3. Explain radioisotopes.

(2.00 Marks)

Bloom's Level : Evaluate, Understand **Course Outcome :** CO1, CO2, CO3, CO4

1.4 4. Define HVAC system. Give its applications.

(2.00 Marks)

Bloom's Level : Remember **Course Outcome :** CO1, CO2, CO3, CO4

1.5 5. Discuss steps involved in preventive and protective management of air, water and soil hazards.

(2.00 Marks)

Bloom's Level : Create, Understand **Course Outcome :** CO2, CO3

1.6 6. Enlist types of environmental hazards.

(2.00 Marks)

Bloom's Level : Analyze, Apply, Understand, Remember **Course Outcome :** CO1, CO2, CO3, CO4

1.7 7. Explain sulphonating hazard and organic solvent hazard.

(2.00 Marks)

Bloom's Level : Create, Evaluate, Apply, Understand **Course Outcome :** CO1, CO2, CO3, CO4

2 Q.2 Answer any two questions (out of three)



Dr. Ujwala Desai
Dr. P. D. Chaudhari
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Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

Pharm D [2023-24]

Third sessional exam

Subject : Pharmaceutical Analysis - Practical **Faculty :** Vasudha Bavadekar **Batch :** BATCH A


3.2 P

Year : Third Year - Third year **Marks :** 30 **Date :** 1 April, 2024 **Duration :** 180 Minutes

Sample Instructions for candidates:

- Figures to the right indicate full marks.
- Draw neat diagram wherever necessary.

| Sr.No. | Question | Marks | Course Outcome | Blooms Level |
|--------|--|-------|----------------|-----------------------------|
| 1 | Synopsis | | | |
| 1.1 | Explain specific rotation with formula | 2.00 | CO4 | Evaluate, Understand |
| 1.2 | Explain principle of HPLC | 2.00 | CO4 | Evaluate, Understand |
| 1.3 | Explain n+1 rule of NMR spectroscopy | 1.00 | CO3 | Evaluate, Understand |
| 2 | Major experiment | | | |
| 2.1 | To determine pKa value of weak acid (acetic acid) by using potentiometry | 10.00 | CO2, CO4 | Evaluate |
| 3 | Minor Expt | | | |
| 3.1 | Interpretation of IR spectra | 3.00 | CO3, CO4 | Evaluate, Apply, Understand |
| 4 | viva | | | |
| 4.1 | viva | 2.00 | CO3, CO4 | |
| 5 | Regular assessment | | | |
| 6 | Journal, attendance | 10.00 | CO3, CO4 | |


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Continuous Assessment



**P. E. SOCIETY'S
MODERN COLLEGE OF PHARMACY
NIGDI, PUNE - 44**



T. Y. B. PHARM. (2023-24) SEMESTER-VI
SUBJECT: MEDICINAL CHEMISTRY III (BP601T)
THEORY CREDITS – 1 (GAME PEDAGOGY)

Evaluation Sheet

| Roll No | Names of Students | CREDIT 1 | Marks |
|---------|--------------------|--------------------------------------|-----------|
| | | Topic Name (Flow chart) | Out of 10 |
| 3061 | Santoshi Lashkare | ACE inhibitor mechanism of Action | 10 |
| 3062 | Omkar Lokhande | | 10 |
| 3063 | Prathamesh Mali | | 10 |
| 3064 | Digvijay Mane | | 10 |
| 3065 | Tushar Mathapati | | 10 |
| 3066 | Shweta Mhetre | Mode of action of Squalene | 10 |
| 3067 | Taufik Mulla | | 10 |
| 3068 | Kalyan Nage | | 10 |
| 3069 | Atharva Namade | | 09 |
| 3070 | Sayali Navhale | | 10 |
| 3071 | Nikita Nigade | Anti Metabolites (Methotrexate) | 10 |
| 3073 | Aishwarya Pande | | 10 |
| 3074 | Aditi Pathade | | 10 |
| 3075 | Vijay Pathade | | 09 |
| 3076 | Aditya Pathak | | 09 |
| 3077 | Girish Patil | Biosynthesis of Cholesterol | 10 |
| 3078 | Saurabh Patil | | 10 |
| 3079 | Vaibhav Pawar | | 08 |
| 3080 | Pratik Phalke | | 09 |
| 3081 | Shreya Rai | | 10 |
| 3082 | Bhavesh Rakshaskar | MOA of Clofamazine | 10 |
| 3083 | Mayur Rane | | 10 |
| 3084 | Bhagesh Rathi | | 10 |
| 3085 | Mahesh Raut | | 10 |
| 3086 | Mahesh Reddy | | 10 |
| 3087 | Sahil Sabale | MOA of Alkylating Agents | 09 |
| 3088 | Harshada Salunke | | 10 |
| 3089 | Dattatray Sambhare | | 09 |
| 3090 | Tushar Sapkal | | 09 |
| 3091 | Ganesh Sawant | | 10 |




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| | | | |
|------|------------------------|--|----|
| 3092 | Omkar Sawant | MOA of Clotrimazole | 10 |
| 3093 | Rohit Shelmulkar | | 08 |
| 3094 | Rohit Shendage | | 10 |
| 3095 | Shubham Shendage | | 10 |
| 3096 | Pratiksha Shinde | | 09 |
| 3097 | Rohit Shinde | Mechanism of action (metronidazole) | 08 |
| 3098 | Tejas Shinde | | 09 |
| 3099 | Rui Shirke | | 09 |
| 3100 | Vaishnavi Shirke | | 10 |
| 3101 | Atharva Shirude | | 09 |
| 3102 | Krushnarajsinh Sindhav | Sulphonamides | 09 |
| 3103 | Omkar Solanke | | 09 |
| 3104 | Yogesh Somwanshi | | 09 |
| 3105 | Sweety Sonawane | | 10 |
| 3106 | Rutuja Sontakke | | 09 |
| 3108 | Chanchal Suryawanshi | Antiviral (acyclovir) | 08 |
| 3109 | Sanika Talekar | | 10 |
| 3110 | Omkar Tavhare | | 09 |
| 3112 | Kartik Torambe | MOA of Acyclovir | 10 |
| 3113 | Prathamesh Ugale | | 08 |
| 3114 | Shubhangi Ugalmogale | | 09 |
| 3115 | Tushar Varat | | 08 |
| 3116 | Shrikrushna Wakude | | 08 |
| 3117 | Yash Wankhade | MOA of Aminoglycosides | 10 |
| 3118 | Khushi Wankhede | | 10 |
| 3119 | Amit Yadav | | 10 |
| 3120 | Mrugaja Yeole | | 09 |
| 3121 | Siddesh Zinjurke | | 08 |
| 3122 | Jaie Zore | | 10 |

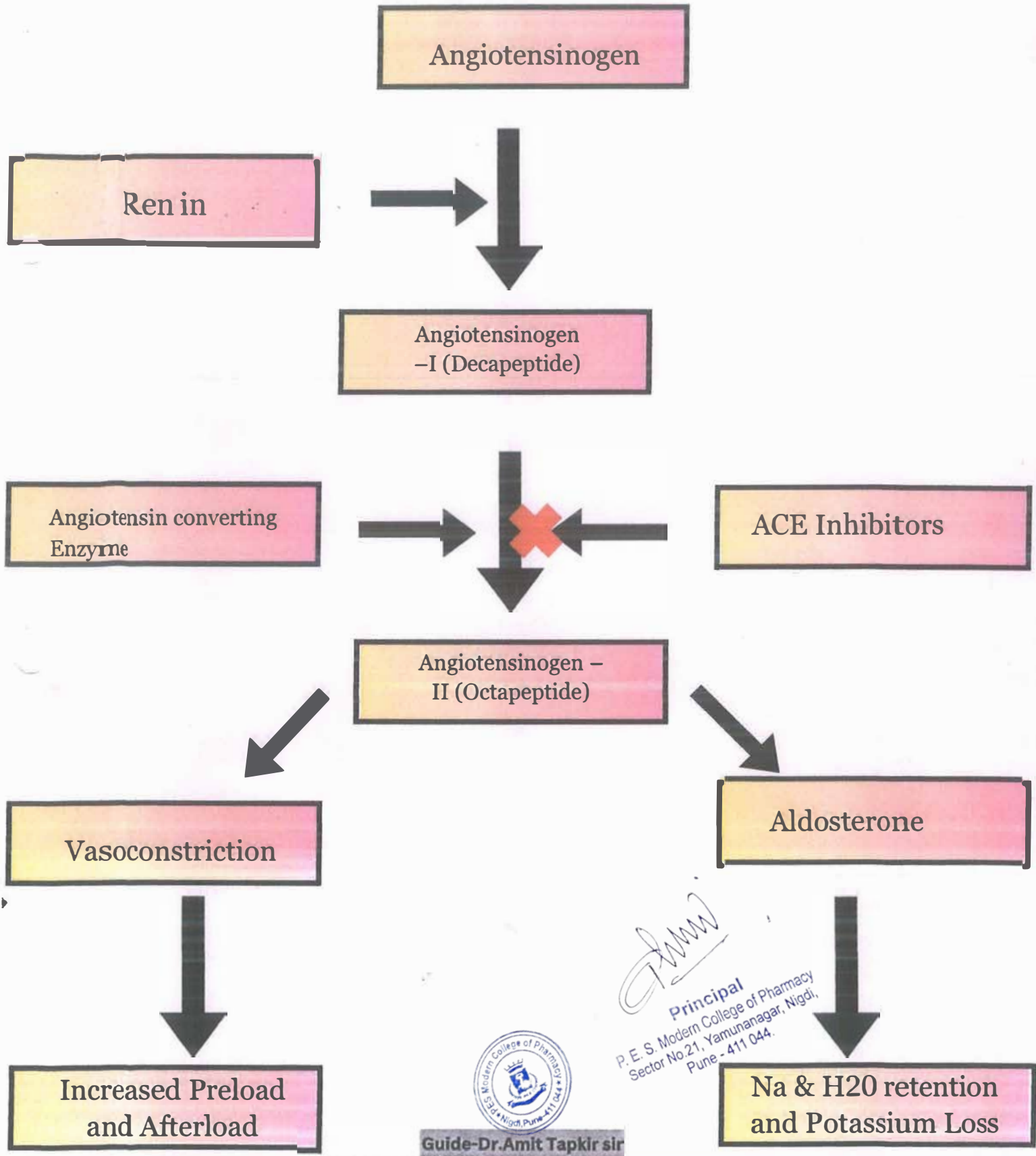
Ab No. 3072, 3107, 3111


Subject In Charge
Dr. A. S. Tapkir




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Puzzle:- ACE Inhibitor mechanism of action



Guide-Dr.Amit Tapkir sir

[Signature]
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**Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune**

B. Pharmacy (2023-24)

MCQs Test**Assignment Name** : Credit-II**Assignment Set** : Credit-II**Subject** : Medicinal Chemistry II - Theory**Faculty** : Sheetal D Chaudhari | **Group** : V (Div B) Third year B. Pharm | **Marks** : 10

The medication which can used topically for relief of pain from insect bites, burns and surface wounds is known as —

Mark(s) 1.00
Type SINGLE-CHOICE

- General Anaesthetics
- Local Anaesthetic
- Analgesics
- Anti-inflammatory

14. Estriol is a type of estrogen that is predominately present during....

Mark(s) 1.00
Type SINGLE-CHOICE

- A. Fertile years
- B. Menopause
- C. Pregnancy
- D. None of all given

19. Which of the Role of the Glucocorticoid is CORRECT?

Mark(s) 1.00
Type SINGLE-CHOICE

- A. Controls Carbohydrate, Protein and Lipid metabolism
- B. Regulate growth hormone gene expression
- C. Antiinflammatory and Immunosuppressive actions
- D. All are correct

18. Which of the Role of the Aldosterone is CORRECT?

Mark(s) 1.00
Type SINGLE-CHOICE

- A. Maintain a constant electrolyte balance and blood volume
- B. Increases sodium reabsorption in the kidney which leads to plasma sodium concentration.
- C. Increases Potassium ion excretion.
- D. All are correct



Sheetal D Chaudhari
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Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

B. Pharmacy (2023-24)

Evaluation sheet

Assignment Name : Credit-II

Assignment Set : Credit-II

Subject : Medicinal Chemistry II - Theory

Faculty : Sheetal D Chaudhari

Group : V (Div B) Third year B. Pharm

Marks : 10

| Sr.No | Roll No. | Name | Marks | Status | Percentage |
|-------|----------|---------------------|-------|---------------|------------|
| 1 | 3061 | Santoshi Lashkare | 5.00 | Submitted | 50.00 |
| 2 | 3062 | Omkar Lokhande | 8.00 | Submitted | 80.00 |
| 3 | 3063 | Prathamesh Mali | 7.00 | Submitted | 70.00 |
| 4 | 3064 | Digvijay Mane | 2.00 | Submitted | 20.00 |
| 5 | 3065 | Tushar Mathapati | 7.00 | Submitted | 70.00 |
| 6 | 3066 | Shweta Mhetre | 5.00 | Submitted | 50.00 |
| 7 | 3067 | Taufik Mulla | 5.00 | Submitted | 50.00 |
| 8 | 3068 | Kalyan Nage | 5.00 | Submitted | 50.00 |
| 9 | 3069 | Atharva Namade | 0.00 | Yet To Submit | 0.00 |
| 10 | 3070 | Sayali Navhale | 7.00 | Submitted | 70.00 |
| 11 | 3071 | Nikita Nigade | 5.00 | Submitted | 50.00 |
| 12 | 3072 | Gauri Pachpinde | 0.00 | Yet To Submit | 0.00 |
| 13 | 3073 | Aishwarya Pande | 4.00 | Submitted | 40.00 |
| 14 | 3074 | Aditi Pathade | 5.00 | Submitted | 50.00 |
| 15 | 3075 | Vijay Pathade | 7.00 | Submitted | 70.00 |
| 16 | 3076 | Aditya Pathak | 7.00 | Submitted | 70.00 |
| 17 | 3077 | Girish Patil | 7.00 | Submitted | 70.00 |
| 18 | 3078 | Saurabh Patil | 7.00 | Submitted | 70.00 |
| 19 | 3079 | Vaibhav Pawar | 0.00 | Yet To Submit | 0.00 |
| 20 | 3080 | Pratik Phalke | 7.00 | Submitted | 70.00 |
| 21 | 3081 | Shreya Rai | 5.00 | Submitted | 50.00 |
| 22 | 3082 | Bhavesht Rakshaskar | 7.00 | Submitted | 70.00 |
| 23 | 3083 | Mayur Rane | 6.00 | Submitted | 60.00 |
| 24 | 3084 | Bhagyesh Rathi | 0.00 | Yet To Submit | 0.00 |
| 25 | 3085 | Mahesh Raut | 6.00 | Submitted | 60.00 |
| 26 | 3086 | Mahesh Reddy | 4.00 | Submitted | 40.00 |
| 27 | 3087 | Sahil Sabale | 5.00 | Submitted | 50.00 |
| 28 | 3088 | Harshada Salunke | 0.00 | Yet To Submit | 0.00 |
| 29 | 3089 | Dattatray Sambare | 2.00 | Submitted | 20.00 |
| 30 | 3090 | Tushar Sapkal | 8.00 | Submitted | 80.00 |
| 31 | 3091 | Ganesh Sawant | 7.00 | Submitted | 70.00 |
| 32 | 3092 | Omkar Sawant | 8.00 | Submitted | 80.00 |
| 33 | 3093 | Rohit Shelmukar | 7.00 | Submitted | 70.00 |
| 34 | 3094 | Rohit Shendage | 4.00 | Submitted | 40.00 |
| 35 | 3095 | Shubham Shendage | 6.00 | Submitted | 60.00 |



(Signature)

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**Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune**

B. Pharmacy (2023-24)

Seminar Presentation**Assignment Name** : Credit- I (Seminar)**Assignment Set** : Credit- I (Seminar)**Subject** : Medicinal Chemistry II - Theory**Faculty** : Sheetal D Chaudhari | **Group** : V (Div B) Third year B. Pharm | **Marks** : 10

Upload your PPT in pdf formt after presentation

Mark(s) 10.00

Type DESCRIPTIVE

Course Outcome- C01,C02,C03,C04,C05**Bloms Level**- Create,Evaluate,Analyze,Apply,Understand,RememberSheetal D Chaudhari

Subject In-charge.

(Mrs. S. D. Chaudhari)

**Principal**P. E. S. Modern College of Pharmacy
Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.



Progressive Education Society's Modern College of Pharmacy, Nigdi, Pune

B. Pharmacy (2023-24)

Evaluation sheet

Assignment Name : Credit- I (Seminar)

Assignment Set : Credit- I (Seminar)

Subject : Medicinal Chemistry II - Theory

Faculty : Sheetal D Chaudhari

Group : V (Div B) Third year B. Pharm

Marks : 10

| Sr.No | Roll No. | Name | Marks | Status | Percentage |
|-------|----------|--------------------|-------|---------------|------------|
| 1 | 3061 | Santoshi Lashkare | 8.00 | Submitted | 80.00 |
| 2 | 3062 | Omkar Lokhande | 0.00 | Submitted | 0.00 |
| 3 | 3063 | Prathamesh Mali | 7.00 | Submitted | 70.00 |
| 4 | 3064 | Digvijay Mane | 7.00 | Submitted | 70.00 |
| 5 | 3065 | Tushar Mathapati | 8.00 | Submitted | 80.00 |
| 6 | 3066 | Shweta Mhetre | 8.00 | Submitted | 80.00 |
| 7 | 3067 | Taufik Mulla | 7.00 | Submitted | 70.00 |
| 8 | 3068 | Kalyan Nage | 7.00 | Submitted | 70.00 |
| 9 | 3069 | Atharva Namade | 7.00 | Submitted | 70.00 |
| 10 | 3070 | Sayali Navhale | 7.00 | Submitted | 70.00 |
| 11 | 3071 | Nikita Nigade | 8.00 | Submitted | 80.00 |
| 12 | 3072 | Gauri Pachpinde | 0.00 | Yet To Submit | 0.00 |
| 13 | 3073 | Aishwarya Pande | 7.00 | Submitted | 70.00 |
| 14 | 3074 | Aditi Pathade | 8.00 | Submitted | 80.00 |
| 15 | 3075 | Vijay Pathade | 7.00 | Submitted | 70.00 |
| 16 | 3076 | Aditya Pathak | 7.00 | Submitted | 70.00 |
| 17 | 3077 | Girish Patil | 6.00 | Submitted | 60.00 |
| 18 | 3078 | Saurabh Patil | 9.00 | Submitted | 90.00 |
| 19 | 3079 | Vaibhav Pawar | 0.00 | Yet To Submit | 0.00 |
| 20 | 3080 | Pratik Phalke | 7.00 | Submitted | 70.00 |
| 21 | 3081 | Shreya Rai | 10.00 | Submitted | 100.00 |
| 22 | 3082 | Bhavesh Rakshaskar | 6.00 | Submitted | 60.00 |
| 23 | 3083 | Mayur Rane | 7.00 | Submitted | 70.00 |
| 24 | 3084 | Bhagyesh Rathi | 7.00 | Submitted | 70.00 |
| 25 | 3085 | Mahesh Raut | 0.00 | Yet To Submit | 0.00 |
| 26 | 3086 | Mahesh Reddy | 9.00 | Submitted | 90.00 |
| 27 | 3087 | Sahil Sabale | 7.00 | Submitted | 70.00 |
| 28 | 3088 | Harshada Salunke | 9.00 | Submitted | 90.00 |
| 29 | 3089 | Dattatray Sambare | 9.00 | Submitted | 90.00 |
| 30 | 3090 | Tushar Sapkal | 6.00 | Submitted | 60.00 |
| 31 | 3091 | Ganesh Sawant | 7.00 | Submitted | 70.00 |
| 32 | 3092 | Omkar Sawant | 7.00 | Submitted | 70.00 |
| 33 | 3093 | Rohit Shelmukar | 6.00 | Submitted | 60.00 |
| 34 | 3094 | Rohit Shendage | 5.00 | Submitted | 50.00 |
| 35 | 3095 | Shubham Shendage | 7.00 | Submitted | 70.00 |



(Signature)

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Sector No.21, Yamunanagar, Nigdi,
Pune - 411 044.

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Progressive Education Society's
MODERN COLLEGE OF PHARMACY

Approved by all India Council for Technical Education, New Delhi, 740-89-397(PY)6T/98.
Recognised by Pharmacy Council of India, 32-236/2002-PCI-2061-62 & Affiliated to University of Pune.



Medicinal Chemistry 2

Potassium-Sparing Diuretics



Amiloride

Presented By:

Mahesh Reddy

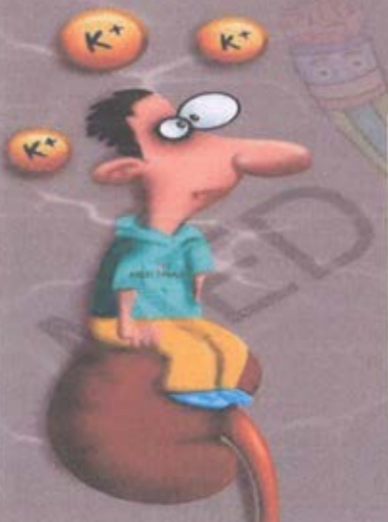
Roll no. :3086

Class: TY B Pharmacy

Div: B

Potassium Sparing Diuretics

Mnemonic - "**SEAT**"



S Spironolactone
E Eplerenone
A Amiloride
T Triamterene

MED NAZ



Shashika

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Yamunanagar, Nigdi,
Pune - 411 044.

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Journal Evaluation Format



Progressive Education Society's

MODERN COLLEGE OF PHARMACY

Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.

Tel : 020-27661315 / 14



LABORATORY JOURNAL

B. Pharmacy / Pharm D.

SUBJECT : Pharmacology - III








TY. B. Pharm (sem - VII)

NAME Shrutika Akolkar

DIVISION A BATCH A

ROLL NO. 3005 YEAR 2023 - 24

I N D E X

| Expt. No. | Title of Experiment | Page No. | Date | Remarks | Signature |
|-----------|--|----------|----------|---------|---|
| 1 | Study of anticancer activity of drug using pylorus ligand (SHAT) rat model | 1-5 | 27/12/23 | 8 |  |
| 2 | Study effect of drug on GIT motility | 6-8 | 3/1/24 | 8 |  |
| 3 | Effect of agonist and antagonist on guinea pig ileum | 9-12 | 10/1/24 | 9 |  |
| 4 | Estimation of serum biochemical parameters by using semi auto analyzer | 13-17 | 17/1/24 | 8 |  |
| 5 | Effect of saline purgative on frog intestine. | 18-19 | 24/1/24 | 8 |  |
| 6 | Hypoglycemic effect of insulin in rabbit | 20-22 | 31/1/24 | 9 |  |
| 7 | Test for pyrogen (rabbit model) | 23-24 | 7/2/24 | 8 |  |



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Sector No 21, Yemunanagar, Nigdi,
Pune - 411 044.

for 20 min and observe.

- Result — The effect of saline purgative on frog intestine was studied.
- Conclusion — Hypertonic solution causes the fluid to move from lumen into circulation by process osmosis thereby shrinks the tissue. Hypertonic solⁿ moves the fluid from cells into lumen and swells the tissue and isotonic solution did not shows any fluid movement across the intestinal membrane.
- Reference —
 - 1) Laxative available at : <https://www.britannica.com/science/laxative>.
 - 2) Dr. padmaja kore, Prashant Pawar, Practical aspect of pharmacology - III, career publication.

| Technical skills (2M) | observational skills (2M) | Reporting & Interpretative skills (2M) | Miscellaneous (4M) Attendance (1M) Completion of journal regularly (1M) Behavior & attitude in the laboratory (1M) Cleanliness in the laboratory (1M) | Total (10 Marks) |
|-----------------------|---------------------------|--|---|------------------|
| 02 | 01 | 01 | 04 | 08 |



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CERTIFICATE

This is to certify that

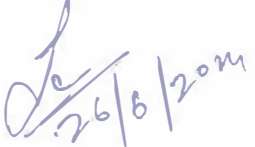
Mr./Ms. Anuja Haridas Pochphule

Exam Seat No. 51535


Has carried out the required practical work prescribed by the Savitribai Phule Pune University for F. Y M. Pharm course semester (II) in Subject Pharmaceutical Chemistry Practical –II

Date: 26/06/2024


Subject-In Charge















External Examiner

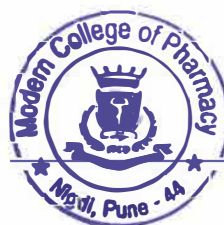



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Dr. P. D. Chaudhari
Principal
Modern College of Pharmacy
Nigdi, Pune - 411044

INDEX

SECTION A

| Sr. No. | Name of experiment | Date | Page No | Remarks | Sign |
|---------|---|----------|---------|---------|---|
| 1 | Introduction to safety in laboratory and some important techniques | 7/02/24 | 1-4 | - |  |
| 2 | Synthesis of 9,10-Anthraquinone from Anthracene (Oxidation) | 7/02/24 | 5-8 | 00 |  |
| 3 | Synthesis of m-Dinitrobenzene from Nitrobenzene (Reduction) | 14/02/24 | 9-12 | 20 |  |
| 4 | Synthesis of 7-hydroxy-4-methyl Coumarin by two ways. (Pechmann Reaction) | 21/02/24 | 13-17 | 20 |  |
| 5 | Synthesis of Benzhydrol from Benzophenone (Reduction) | 28/02/24 | 18-21 | 20 |  |
| 6 | Introduction, theory related to the microwave assisted synthesis | 06/03/24 | 22-24 | - |  |
| 7 | Synthesis of Benzhydrol from Benzophenone by using microwave | 27/03/24 | 25-28 | 20 |  |
| 8 | Synthesize 1,2,3,4-Tetrahydrocarbazole (Fischer Indole Synthesis) by using microwave | 03/04/24 | 29-33 | 20 |  |
| 9 | Synthesize 4-iodotoluene from p-toluidine | 10/04/24 | 34-37 | 16 |  |
| 10 | Synthesis of Triphenyl imidazole from Benzil | 24/04/24 | 38-41 | 20 |  |
| 11 | To Determine of log P, MR, hydrogen bond donors and acceptors of selected drugs using softwares | 02/05/24 | 42-44 | - |  |
| 12 | Calculate of ADMET properties of drug molecules and its analysis using software | 15/05/24 | 45-47 | - |  |
| 13 | Introduction to Docking | 22/05/24 | 48-50 | - |  |




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| | |
|---------------|-------------------------------|
| Name: | Anuja Haridos Pochphule |
| Subject: | Pharmaceutical chemistry - II |
| Roll No. | CH-108 |
| Exam Seat No: | 51535 |

| Experiment No. | Assessment of Marks | | | |
|----------------|---------------------|-------------------------------|----------------|------------|
| | Attendance (10) | Experiment (05) | Viva Voce (05) | Total (20) |
| 01 | - | Introduction to Safety | - | - |
| 02 | 0 | 0 | 0 | 0 |
| 03 | 10 | 05 | 05 | 20 |
| 04 | 10 | 05 | 05 | 20 |
| 05 | 10 | 05 | 05 | 20 |
| 06 | - | Theory of microwave synthesis | - | - |
| 07 | 10 | 05 | 05 | 20 |
| 08 | 10 | 05 | 05 | 20 |
| 09 | 10 | 03 | 03 | 16 |
| 10 | 10 | 05 | 05 | 20 |
| 11 | - | Demo | - | - |
| 12 | - | Demo | - | - |
| 13 | - | Demo | - | - |

Mean = 17

Total Mean



$$= \frac{32}{2} = 16$$

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Sector No. 21, Yamunanagar, Nigdi, Pune - 411 044.

Tel : 020-27661315 / 14



LABORATORY JOURNAL

B. Pharmacy / Pharm D.

SUBJECT : Pharmaceutical Inorganic

chemistry

NAME Bustade Manvi Amol

DIVISION — BATCH 2023-24

ROLL NO. P.D.102 YEAR F.Y. Pharm.D

P. E. Society's
MODERN COLLEGE OF PHARMACY, NIGDI, PUNE - 44.
I N D E X

| Expt. No. | Title of Experiment | Page No. | Date | Remarks | Signature |
|-----------|--|----------|----------|-----------|---------------|
| 1 | Introduction to lab Experiment equipments & apparatus. | 1 | 09-9-23 | - | <u>Bhawar</u> |
| 2 | Introduction to limit test | 7 | 16-9-23 | | |
| 3 | To perform limit for test chloride test | 13 | 23-9-23 | 9 | <u>Bhawar</u> |
| 4 | To perform limit for sulphate | 17 | 30-9-23 | 8 | |
| 5 | To perform limit test for iron in given sample | 21 | 7/10/23 | 8 | <u>Bhawar</u> |
| 6 | To perform limit test for heavy metals | 25 | 14/10/23 | 8 | |
| 7 | To perform limit test for Arsenic in given | 31 | 21/10/23 | 9 | <u>Bhawar</u> |
| 8 | To perform modified limit test for chloride & sulphate | 37 | 28/10/23 | 9 | |
| 9 | Introduction to volume tric analysis | 43 | 04/11/23 | - | <u>Bhawar</u> |
| 10 | Assay of ammon chloride by acid-Base | 49 | 04/11/23 | 9 | |
| 11 | Assay of ferrous Sulphate by redometry | 53 | 25/11/23 | | <u>Bhawar</u> |
| 12 | Assay of copper sulphate by Iodometry | | 2/12/23 | Principal | |



4) Ethanoic Sulphate Solⁿ:- Dissolve volume of 0.018% w/v of potassium Sulphate prepared in ethanol 30% make up volume 100ml by 30% ethanol.

5) Sample solution:- Dissolved 0.33g of Boric acid in 10ml of Boiling water and dilute in 15ml & perform limit test.

| Test solution | Standard solution. |
|---|--|
| 1) Take 1 ml of 25% w/v Sol ⁿ Barium chloride in nessler's cylinder & 1.5ml ethanoic acid sol ⁿ . | 1) Take 1 ml of 25% w/v Sol ⁿ Barium chloride in nessler cylinder & 1.5ml ethanoic acid sol ⁿ . |
| 2) Mix and allow to stand for 5 min & add 15 ml of solution as distilled monograph or sol ⁿ of specified quantity in 15 ml of water. | Mix and allow to stand for 5 min & Add 15 ml of Sulphate Std sol ⁿ as described in monograph or sol ⁿ of specified quantity in 15 ml of water. |
| 3) 0.15 ml of acetic acid, dilute to 50 ml of distilled water & stir immediately with glass rod & allow to stand for 5 min. | 0.15 ml of acetic acid, dilute to 50 ml H ₂ O & stir immediately with glass rod & allow to stand for 5 min. |

[Handwritten Signature]

* Result :- The I.P sample contains I.P. Sulphate.



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now add

| Attendance | Journal | Viva | Total |
|------------|---------|------|-------|
| 3 | 3 | 4 | 10 |
| 03 | 03 | 02 | 08 |



Seminar & Assignment Marklist (M. Pharm)

Savitribai Phule Pune University

M. Pharm. Semester I Examination Month Year




(Academic Year: 2023-24)

Center of Examination – Modern College of Pharmacy, Nigdi, Pune – 411 044

Center code – 633

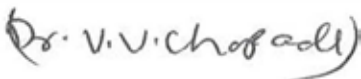
Branch - Pharmaceutical Chemistry Date - 24/01/24

Class – M. Pharm. Semester – I (Seminar Presentation)

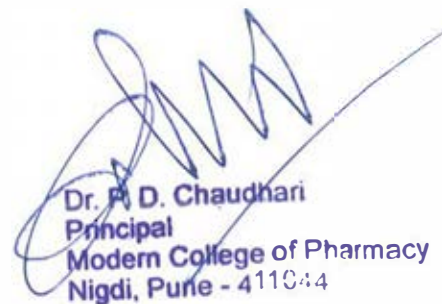
| Sr No | Name of Students | Signature | Name of Guide | Name of Examiner |
|-------|------------------|---|------------------|------------------|
| 1. | Hemant Bhoi |  | Dr. V.V. Chopade | Dr. P.M. Patil |
| 2. | Shivani Morkhade |  | Dr. V.V. Chopade | Dr. P.M. Patil |
| 3. | Pradnya Waman |  | Dr. V.V. Chopade | Dr. P.M. Patil |
| | | | | |
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Savitribai Phule Pune University

M. Pharm. Semester I Examination Month Year (Academic Year: 20-21)

Center of Examination – Modern College of Pharmacy, Nigdi, Pune – 411 044 Center code – 633

Branch - pharmaceutical chemistry (chem)

Date - 24/01/2021

Class – M. Pharm. Semester – I (Seminar)

6549-Review on in silico tech.: An approach to drug discovery

Allotments of Marks for Seminar - 50

6561-Recent Adv. in Alzheimer's Disease.

6564-Cancer: Symptoms, Treatment and Recent Adv. Therapy.

| Sr. no. | Seat No. | Name of Candidate | Specifications | | | | Total Marks |
|---------|----------|-------------------|--|---------------------|--------------------|--------------|-------------|
| | | | Reference work and scientific contents | Communication skill | Discussion/defense | Presentation | |
| | | | 10 | 05 | 05 | 30 | |
| 1. | 6549 | Hemant Bhoi | 07 | 04 | 04 | 25 | 40 |
| 2. | 6561 | Shivani Morkhade | 08 | 04 | 04 | 24 | 40 |
| 3. | 6564 | Pradhya Waman | 09 | 04 | 04 | 23 | 40 |
| | | | | | | | |
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| | | | | | | | |

(Signature)

Internal Examiner / Research Guide

(Signature)
Dr. P. M. Patil



(Signature)
Dr. P. D. Chaudhari
Principal

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Savitribai Phule Pune University

M. Pharm. Semester II Examination Feb 2024 (Academic Year: 2023-24)

Center of Examination – Modern College of Pharmacy, Nigdi, Pune – 411 044 Center code – 633

Branch - pharmaceutics

Date - 05/02/2024

Class – M. Pharm. Semester – II [Assignment]

Allotments of Marks for Assignment –

| Sr. no. | Seat No. | Name of Candidate | Specifications | | | | | Total Marks |
|---------|----------|--------------------|-----------------------------------|----------------------------|----------------------------|----------------------|-----------------|-------------|
| | | | Structure, organization & content | Creativity and originality | Compilation of information | Literature resources | Reference style | |
| | | | 20 | 05 | 10 | 10 | 05 | 50 |
| 1. | PH112 | Samarth shinde | 18 | 04 | 09 | 09 | 04 | 44 |
| 2. | PH114 | Manika Suryawanshi | 17 | 04 | 08 | 09 | 04 | 42 |
| | | | | | | | | |
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Internal Examiner / Research Guide

Dr. A. G. More



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Journal Club Evaluation Sheet (M. Pharm)

P. E. Society's,
Modern College of Pharmacy, Nigdi, Pune-411044

Academic Year (2023-24)
Evaluation sheet (Journal club)

Title of presentation synthesis & biological evaluation of thieno
pyrrol-3-amine derivatives as potent glycogen synthase kinase

Name of student Ms. Snehal Borude

Roll No.: 11-201

Class & Sem: II. Pharm

Date: 9/10/2023

| Sr. No. | Parameter | Total Marks | Marks obtained |
|---------|----------------------------|-------------|----------------|
| 1. | Presentation | 5 | 4 |
| 2. | Communication skill | 5 | 4 |
| 3. | Question answer skill | 5 | 4 |
| 4. | Depth of knowledge | 5 | 4 |
| 5. | Innovation in presentation | 5 | 4 |
| | Total | 25 | 20 |

Bavadekar
Examiners
(M.E. v.s. Bavadekar)



[Signature]
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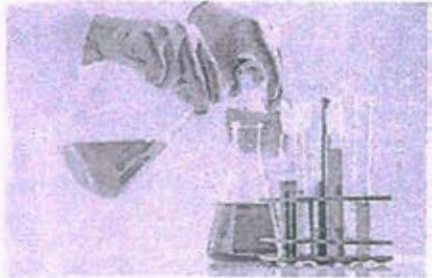
**Research Work
Evaluation Sheet
(M. Pharm)**

TITLE OF PROJECT
Design and Development of Novel-formulation in Treatment of Iron deficiency Anemia



CONTENTS

- ✓ Introduction
- ✓ Aim and Objective
- ✓ Need and Rational
- ✓ Literature Survey
- ✓ Plan of work
- ✓ Experimental work
- ✓ Result and Discussion
- ✓ Conclusion
- ✓ References



Presented by:
 Swapnil Tarate
 (M. Pharmacy- Pharmaceutics)
 Seat No: 1599



Guided by:
 Dr. Anuradha G. More
 (Associate Professor)
 Department of Pharmaceutics

Department of Pharmaceutics
 Academic Year – 2023-24
 P.E.S. Modern College Of Pharmacy, Nigdi, Pune- 411044

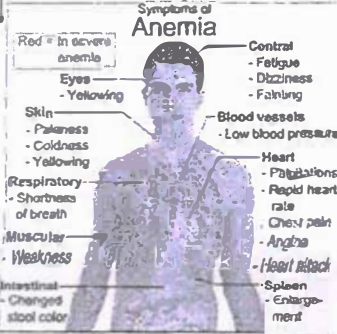
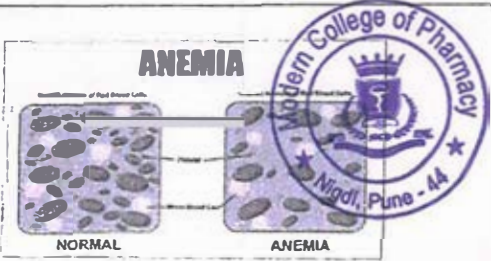
Introduction

- Iron deficiency anemia is a decrease in the RBC count, hemoglobin and Hematocrit values resulting in a lower ability for the blood to carry oxygen to body tissues
- Reduced oxygen levels cause shortness of breathing, fatigue, weakness, less concentration, and low productivity.
- During pregnancy, low blood hemoglobin concentrations increase risk of under weight children being born and neonatal deaths(1,2)

- ✓ Iron deficiency anemia is a common form of anemia that occurs in conditions of iron loss or in case of problems in iron absorption from the dietary intake
- ✓ Iron deficiency anemia is usually treated by the use of iron supplements. The most famous and commercial iron supplements in the market are ferrous sulfate, ferrous gluconate, Ferrous ascorbate and ferrous gluconate.(3)

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- Causes:-**
- ✓ Insufficient iron intake.
 - ✓ Poor absorption of iron by the body,
 - ✓ Excessive loss of iron through bleeding.
 - ✓ Chronic blood loss
 - ✓ Medical conditions affecting iron absorption



Swapnil Tarate
 Internal Examiner

Dr. Anuradha G. More
 External Examiner

Swapnil Tarate
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SAVITRIBAI PHULE PUNE UNIVERSITY
M. Pharm. Semester IV Examination Month Year
(Academic Year-) 2023-24

Center of Examination-Modern College of Pharmacy, Nigdi, Pune 411 044
Center code-633

Branch - Pharma. Quality Assurance Date:- 19/08/24

Class - Semester - IV M. Pharm. (Dissertation Viva-Voce Examination)

Name of Candidate - Ms. Neha P. Shryokar

Exam. Seat Number - 1630 PRN No.- 2412201330

Topic of Dissertation - Quantification and Identification of Polyphenolic acid from plant source by HPTLC (Structural Based) modelling of polyphenolic acid and their pharmacological activities

Report on evaluation of M. Pharm. Dissertation

| Sr. No | Specification | Marks Allotted | Marks Obtained |
|--------|---------------------------------|----------------|----------------|
| 1. | Evaluation of Dissertation Book | | |
| | Objectives of the work done | 25 | 22 |
| | Methodology adopted | 75 | 69 |
| | Result and Discussion | 125 | 119 |
| | Conclusion and Outcomes | 25 | 21 |
| | Total | 250 | 231 |

| | | | |
|----|----------------------------|-----|-----|
| 2. | Evaluation of Presentation | | |
| | Presentation of Work | 75 | 65 |
| | Communication Skills | 50 | 44 |
| | Question and Answer Skills | 25 | 20 |
| | | 150 | 129 |



Internal Examiner

Dr. P. M. Padi

Dr. P. D. Chaudhari
Principal
Modern College of Pharmacy
Nigdi, Pune - 411044

Khanvilkar

External Examiner

Dr. Trushali Khanvilkar



**Proposal Presentation
Evaluation Sheet
(M. Pharm)**

SavitribaiPhule Pune University

M. Pharm. Semester III Examination Month Year

(Academic Year: 2023-24)

Center of Examination – Modern College of Pharmacy, Nigdi, Pune – 411 044

Center code – 633

Branch – Quality Assurance Techniques Date - 02/01/2024

Class – M. Pharm. Semester – III [Discussion / Presentation (Proposal Presentation)]


Name of candidate – Neha P. Shegokar

Exam. Seat Number - QAT 213 PRN No.-

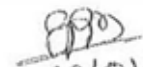
Title of Seminar - Quantification & Identification of Poly Phenolic Acids from Plant Source by HPLC, Structural Modification of Poly Acids & Pharmaceutical Activity

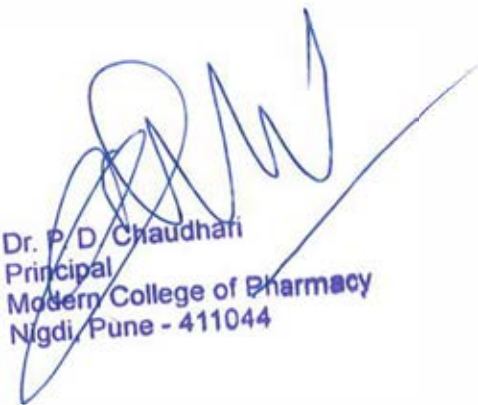
A) Allotments of Marks for Seminar on proposal presentation --

| Sr. No | Specifications | Marks Allotted | Marks Obtained |
|--------|---|----------------|----------------|
| 1. | Selection Of Research Topic And Their Applicability | 15 | 14 |
| 2. | Introduction And Information Retrieval Systems | 10 | 10 |
| 3. | Reading Research Papers | 10 | 09 |
| 4. | Skill In Oral Presentation | 15 | 14 |
| | Total Marks | 50 | 47 |


Dr. Pallavi Patil
Internal Examiner




02/01/2024
Dr. S. P. Mahapatra
External Examiner


Dr. P. D. Chaudhari
Principal
Modern College of Pharmacy
Nigdi, Pune - 411044