



INDEX

Criteria No : 2 Metric

no: 2.2.1

File name (QIM) The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Sr.No.	Content
Assessment of Slow and Advanced learners	
1.	Identification of learners policy
2.	Identification by Student Practical Evaluation
Details of special programs for slow learners	
3.	Remedial Class Record
4.	Question bank/ University question paper
5.	Model Answer for question bank/ Subject Notes
6.	Assignment
Details of special programs for Advanced learners	
7.	Competitive exam guidance
8.	Appreciation Advanced Learner
9.	Mini Projects
10.	Expert Lectures/ Webinars/ Seminars
11.	Co –Curricular & Extra- curricular Activities



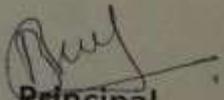
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Policy for identification of slow and advanced learner

1. The mentor system used to identification of slow and advanced learners and provides a softer approach to conversion of slow learner to advanced learner under the watchful eyes of the mentor.
2. Upon admission into the institution, the students are observed during theory and practical sessions.
3. Slow and Advanced learner identification is done using "Index of Learning styles questionnaire" and the result is mapped.
4. Prior to any internal assessment, the slow learners are identified in each subject based upon their performance during viva voce of theory (Conducted in practical hours).
5. Make up classes are arranged for such students, night library facility is also provided to the students.
6. The advanced learners also act as student mentors to their peers since it has been observed that student's acceptability of peers is more.
7. Group study is encouraged in such cases. To make the transition of slow learners to advanced learners easier and to sustain the advanced learners.
8. The institution adopts several measures such as encouraging the students to attend various co-curricular and extra-curricular events, conducting remedial classes for benefit of students who have backlogs, coaching for competitive examinations to name a few.




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PRAVARA RURAL EDUCATION SOCIETY'S
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LONI

FIRST SESSIONAL EXAMINATION MARK LIST 2022-23

Class-First Year B. Pharm (2019 Pattern)

Semester-I

Subject-Pharmaceutics (Theory)

Date -

Total No. of Student Appeared	Total No. of Student Present	Total No. of Student Absent	Roll No. of Absent Students

Roll No.	Name of Students	Theory				Practical			
		Sessional 30 M	Converted to 15 M	Cont. Assignment 10M	Total 25 M	Sessional 40 M	Converted to 10 M	Cont. Assignment 5M	Total 15M
1.	Aher Shrushti Rajendra	19	10	09	19	29	07	04	11
2.	Anerao Abhishek Parmeshwar	12	06	08	14	26	07	04	11
3.	Avhad Yash Sanjay	00	00	06	06	23	06	03	09
4.	Bagal Dnyaneshwar Sanjay	03	02	08	10	22	06	04	10
5.	Bagal Rohit Nanasaheb	03	02	08	10	22	06	03	09
6.	Bairagi Shweta Vijaykant	06	03	08	11	21	05	03	08
7.	Barmade Chetan Laxman	12	06	09	15	22	06	04	10
8.	Bhalerao Sanjana Raju	23	12	09	21	30	08	04	12
9.	Bhand Pratibha Sanjay	17	09	09	18	28	07	04	11
10.	Bhange Hariom Dattu	17	09	08	17	28	07	03	10
11.	Bhartal Sachin Ramesh	10	05	08	13	22	06	03	09
12.	Bhendekar Sushmita Anil	16	08	07	15	27	07	04	11
13.	Bhosale Pradnya Anil	06	03	08	11	24	06	04	10
14.	Bodhak Snehal Arun	18	09	08	17	26	07	03	10



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15.	Borude Aniket Ashok	04	02	08	10	21	08	03	11
16.	Bramharakshas Subhadra Gautam	15	08	07	15	23	06	04	10
17.	Chabukswar Riya Dilip	16	08	08	16	26	07	04	11
18.	Chaudhari Arti Baban	19	10	09	19	27	07	03	10
19.	Chavan Sakshi Kondiram	24	12	10	22	32	07	04	11
20.	Chavan Yuvraj Santosh	11	06	08	14	26	07	04	11
21.	Chavhanke Payal Dattu	16	08	07	15	31	08	03	11
22.	Chide Vaibhavi Sanjay	16	08	08	16	27	07	03	10
23.	Dange Rajashri Rajendra	22	11	08	19	29	07	04	11
24.	Darandale Gauri Shivaji	10	05	08	13	29	07	04	11
25.	Dhokane Chaitali Babasaheb	24	12	08	20	29	07	04	11
26.	Dhokte Soham Gajanan	16	08	09	17	24	06	03	09
27.	Dongare Shejal Prabhakar	16	08	08	16	28	07	03	10
28.	Dumbre Atharva Namdev	13	07	09	16	24	06	04	10
29.	Dushing Saurabh Pradip	12	06	08	14	27	07	04	11
30.	Gadekar Sanjana Shantaram	21	11	08	19	30	08	03	11
31.	Gaikwad Swapnali Ganesh	19	10	07	17	29	07	04	11
32.	Gaiwal Sanika Dadasaheb	20	10	06	16	30	08	03	11
33.	Ghodke Pratiksha Mangesh	12	06	07	13	27	07	04	11
34.	Ghogare Atharva Madhukar	11	06	08	14	26	07	04	11
35.	Ghorpade Ishwari Shriniwas	14	07	07	14	27	07	03	10
36.	Girhe Jayraj Subhash	05	03	08	11	23	06	04	10
37.	Golhar Prajakata Anjabapu	12	06	08	14	27	07	03	10
38.	Gore Vikas Jalindar	06	03	06	09	27	07	03	10
39.	Guldagad Siddharth Dinkar	08	04	08	12	25	06	03	09



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40.	Gunjal Vaishnavi Ashok	17	09	07	16	26	07	04	11
41.	Gunjkar Vaibhav Janardhan	19	10	06	16	26	07	03	10
42.	Hajare Jyoti Ansyabapu	03	02	07	09	25	06	03	09
43.	Jadhav Aniket Kakasaheb	07	04	09	13	23	06	04	10
44.	Jadhav Sahil Babasaheb	12	06	08	14	25	06	03	09
45.	Jadhav Trupti Annasaheb	15	08	08	16	29	07	04	11
46.	Javade Jyoti Shivshankar	14	07	08	15	28	07	04	11
47.	Kadam Sakshi Rajkumar	14	07	08	15	28	07	04	11
48.	Kadam Sakshi Uttam	05	03	09	12	27	07	03	10
49.	Kadam Sarika Sanjay	07	04	08	12	26	07	03	10
50.	Kale Kalyani Sanjay	19	10	09	19	27	07	03	10
51.	Kale Rushikesh Umesh	10	05	08	13	26	07	04	11
52.	Kanade Satvik Sandip	12	06	09	15	27	07	04	11
53.	Karne Rohit Bhimrao	10	05	08	13	27	07	03	10
54.	Katare Gayatri Ganesh	10	05	09	14	27	07	03	10
55.	Khairnar Sayali Sham	15	08	08	16	26	07	04	11
56.	Kharde Prajakta Sanjay	20	10	07	17	31	08	03	11
57.	Khemnar Kanchan Rabhaji	10	05	09	14	29	07	04	11
58.	Khemnar Shubhangi Ashok	17	09	07	16	32	08	04	12
59.	Khopade Tanuja Tukaram	12	06	08	14	29	07	04	11
60.	Killedar Parth Suhas	03	02	07	09	32	7	03	10
61.	Kokare Nutan Eknath	14	07	08	15	30	08	04	12
62.	Kurhade Siddhi Prakash	11	06	07	13	28	07	03	10
63.	Lahamge Sneha Arun	22	11	06	17	29	07	04	11
64.	Lawande Ravindra Chandrakant	17	09	07	16	28	07	04	11



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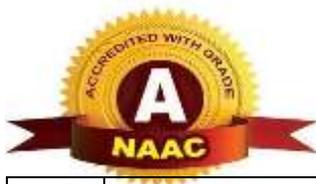
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65.	Lokhande Pranay Laxman	12	06	08	14	25	06	03	09
66.	Londhe Suraj Sanjay	10	05	08	13	26	07	03	10
67.	Marathe Kajal Sampat	09	05	09	14	24	06	04	10
68.	Mengal Ashvini Balasaheb	11	06	08	14	27	07	04	11
69.	More Akash Shraavan	02	01	06	07	22	06	03	09
70.	More Om Sachin	11	06	09	15	26	07	04	11
71.	Munde Ritesh Walmeek	15	08	07	15	25	06	03	09
72.	Musmade Aditi Kisan	17	09	08	17	33	08	04	12
73.	Narang Palak Indrapal	17	09	06	15	27	07	04	11
74.	Navgire Vaishnavi Nandkumar	10	05	09	14	28	07	04	11
75.	Nikam Jagdish Ganesh	15	08	07	15	28	07	03	10
76.	Nikam Kalyani Hemant	05	03	08	11	28	07	03	10
77.	Nirmal Vaishnavi Nanasaheb	19	10	08	18	30	08	04	12
78.	Palve Pallavi Dilip	12	06	07	13	23	06	04	10
79.	Palve Vaishnavi Machhindra	16	08	06	14	27	07	03	10
80.	Pardhi Payal Digambar	19	10	07	17	25	06	03	09
81.	Patil Bhakti Pradip	18	09	06	15	27	07	04	11
82.	Pawar Ankita Rajendra	17	09	06	15	29	07	03	10
83.	Raut Gajanan Balasaheb	20	10	07	17	27	07	04	11
84.	Saindar Srushti Vasant	12	06	08	14	30	08	04	12
85.	Salunke Swarup Ganesh	08	04	09	13	33	8	04	12
86.	Sapte Sakshi Chandrakant	12	06	08	14	27	07	04	11
87.	Shaikh Aman Sattar	17	09	07	16	29	07	03	10
88.	Shaikh Saad Samir	14	07	06	13	30	08	03	11
89.	Shelke Apurva Balasaheb	20	10	07	17	34	09	04	13



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90.	Shinde Aditi Harichandra	15	08	08	16	29	07	04	11
91.	Shinde Karan Santosh	14	07	08	15	32	7	04	11
92.	Shinde Samruddhi Rajendra	16	08	08	16	26	07	04	11
93.	Shinde Saurabh Sachin	15	08	07	15	25	06	03	09
94.	Shinde Siddhi Somnath	15	08	06	14	28	07	04	11
95.	Solanke Gauri Eknath	18	09	07	16	30	08	03	11
96.	Solanke Shailesh Suryakant	15	08	07	15	27	07	04	11
97.	Sonawane Pratiksha Prashant	16	08	08	16	28	07	03	10
98.	Survase Pawankumar Sopanrao	18	09	06	15	27	07	04	11
99.	Tambe Tanushka Nanasahab	24	12	08	20	29	07	03	10
100.	Thete Prasad Sharad	07	04	09	13	16	07	04	11
101.	Thete Sayali Sanjay	20	10	08	18	30	08	03	11
102.	Thite Vaibhav Jitendra	18	09	07	16	28	07	04	11
103.	Vadak Prachi Annasaheb	16	08	06	14	28	07	03	10
104.	Varade Shruti Ashok	14	07	06	13	28	07	04	11
105.	Vendait Sagar Ramesh	14	07	07	14	28	07	03	10
106.	Vikhe Atharva Vasant	14	07	08	15	25	06	03	09
107.	Viraj Anant Nagare	16	08	06	14	26	07	03	10
108.	Vishe Prerana Ashok	05	03	08	11	23	06	04	10
109.	Wagh Mayuri Bhausahab	15	08	07	15	28	07	03	10
110.	Ware Sangam Parmeshwar	17	09	06	15	25	06	03	09
111.	Yadav Aditya Arunkumar	11	05	08	13	28	07	03	10
112.	Zagade Ashwini Suresh	14	07	07	14	31	08	03	11
113.	Zite Sonali Laxman	12	06	08	14	30	08	03	11



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SDMG odd sem



**PRAVARA RURAL EDUCATION SOCIETY'S
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**PRAVARA RURAL COLLEGE OF PHARMACY, LONI
B. PHARMACY
REMEDIAL CLASS TIME TABLE 2022-23
TERM I ODD SEMESTER wef 15.10.2022 (Saturday)**

TIME	DAY: EVERY SATURDAY			
	FIRST YEAR	SECOND YEAR	THIRD YEAR	FINAL YEAR
10.00 -11.00	Pccu I / GSS	P Micro/ SRV	Pcog & Phyto II/ DNV	IMA/ HSB
11.00-12.00	HAP I / RDG	POC II / SDMG	Medichem II/ RKG	Pcy Practice/ APP
12.00-1.00	PIC / MSB	PP I/ KVD	PJ / APP	NDDS/ SSS
LUNCH BREAK				
2.00-3.00	PA I / ASD	PE / TSN	Pcol II/ SBD	IP II/ SDMN
3.00-4.00	-----	-----	IP I/ MHK	-----

[Signature]
Academic I/C
Academic Incharge



[Signature]
Principal
Pravara Rural College of Pharmacy
Pravaranagar, Tal. Rahata, Dist. Ahmednagar

B.PHARM. DEGREE EXAMINATION



[Signature]
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FIRST & SECOND SESSIONAL EXAMINATION MARK LIST 2022-23

Class: Second Year B Pharm (2019 Pattern) **Subject:** Pharmaceutical Organic chemistry-II **SEM- III**

Roll No.	Subject Name-	Subject incharge-	Pharmaceutical Organic Chemistry II			
			SDMG		SDMG	
			Sessional 1st		Sessional 2nd	
	Name of Students					
1	Apsunde Gayatri Sahebrao		13	7	18	9
2	Argade Siddhesh Balasaheb		16	8	16	8
3	Bangar Viraj Bhagwat		28	14	24	12
4	Bankar Rohit Dadabhau		28	14	26	13
5	Bawake Pradnya Dnyaneshwar		28	14	28	14
6	Bhosale Shainesh Ganpat		19	10	8	4
7	Bhusal Ruchita Ashok		19	10	23	12
8	Chate Shivprasad Dilip		22	11	24	12
9	Chavhan Shivani Ganesh		20	10	20	10
10	Cholke Dhanashri Sanjay		18	9	19	10
11	Darunte Pratiksha Uddhav		28	14	26	13
12	Deokar Shubham Dinkar		26	13	29	15
13	Dhanapune Pavan Subhash		15	8	15	8
14	Dige Ajay Ganesh		25	13	16	8
15	Dighe Mayuri Rajendra		26	13	29	15
16	Dighe Rajashree Gangadhar		27	14	25	13
17	Dumbare Swamini Gorakshnath		28	14	27	14
18	Gadhawe Aakanksha Sunil		18	9	15	8
19	Game Prajwal Sandeep		26	13	27	14
20	Ghogare Prajwal Vijendra		15	8	22	11
21	Gholve Gayatri Gunwant		27	14	25	13
22	Gondkar Tejas Sandeep		21	11	21	11
23	Gorde Mahesh Annasaheb		7	4	18	9
24	Gore Aarti Somnath		28	14	29	15



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25	Gulave Deep Prakash	20	10	21	11
26	Jadhav Balaji Suresh	20	10	20	10
27	Jangale Mayuri Navnath	23	12	24	12
28	Jawale Akshada Ashok	28	14	29	15
29	Jondhale Nikita Machhindra	28	14	28	14
30	Jondhale Tejal Ankush	22	11	29	15
31	Kale Shraddha Pralhad	27	14	26	13
32	Kamble Rutuja Shashikant	23	12	26	13
33	Karande Pradip Balshiram	A	0	11	6
34	Karle Swapnali Sanjay	22	11	21	11
35	Kasar Harshal Raosaheb	21	11	20	10
36	Kharde Shekhar Namdeo	25	13	28	14
37	Kothawale Akshay Ambadas	19	10	21	11
38	Kumavat Nandini Vitthal	27	14	28	14
39	Lahare Smita Sandeepkumar	19	10	23	12
40	Mandhare Gurudeo	24	12	27	14
41	Mare Tejaswini Vasant	23	12	26	13
42	Mirajgave Swapnil Sanjay	21	11	24	12
43	Mulay Sakshi Uttam	27	14	28	14
44	Nale Rutuja Abasaheb	22	11	22	11
45	Nangare Vinayak Baban	24	12	26	13
46	Nehe patil Kartik Ramesh	27	14	28	14
47	Nikumbh Asmita Manoj	27	14	28	14
48	Pardeshi Deven Pramod	18	9	22	11
49	Pawar Anjali Mukund	28	14	29	15
50	Sable Shreya Kakasaheb	23	12	26	13
51	Sathe Sakshi Khanderao	22	11	20	10
52	Satpute Uday Anil	24	12	25	13
53	Sayyad Shifa Inayat	23	12	24	12
54	Shaikh Shahid Jakir	18	9	23	12



55	Shinde Nayan Pandurang	28	14	29	15
56	Shinde Rutuja Vilas	23	12	26	13
57	Somvanshi Trupti Rajendra	28	14	29	15
58	Sonawane Ketan Laxman	27	14	29	15
59	Soni Gauri Shivdas	25	13	22	11
60	Surawase Neha Anil	27	14	29	15
61	Tekade Shraddha Santosh	28	14	29	15
62	Varpe Tanmay Rajendra	15	8	20	10
63	Vikhe Bhagyashri Nachiket	13	7	19	10
64	Vikhe Ritesh Dilip	10	5	15	8
65	Vikhe Vaishnavi Parashuram	10	5	24	12
66	Wade Saurabh Sanjay	26	13	28	14
67	Asawale Vrushali K	NA	NA	24	12
68	Bachkar pragati A	NA	NA	16	8
69	Dighe Kajal M	NA	NA	27	14
70	Dighe Rutik S	NA	NA	12	6
71	Gaikwad Urmila S	NA	NA	26	13
72	Nibe Vaishnavi S	NA	NA	25	13
73	Pansare Akanksha D	NA	NA	27	14
74	Satwadhar Manik P	NA	NA	25	13
75	Shinde Pooja D	NA	NA	27	14
76	Vikhe Atharva K	NA	NA	15	8
77	Wakchaure Abhishek	NA	NA	25	13



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Date	Topic Taught	Signature of the Subject Incharge
15/10/22	Benzene & its derivatives	
15/10/22	Benzene & its derivatives	
5/11/22	Phenols	
5/11/22	Aromatic Amines	
12/11/22	Stereoisomerism	
12/11/22	Stereoisomerism	
15/11/22	Polynuclear aromatic hydrocarbons	
15/11/22	Polynuclear aromatic hydrocarbons	
19/11/22	Fats & oils	
19/11/22	Fats & oils	

Subject Teacher

Academic Dean

Principal



PRAVARA RURAL EDUCATION SOCIETY'S
PRAVARA RURAL COLLEGE
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Remedial Class Record

Academic Year: - 2022-23

Class: S.Y.B.Pharm

Semester: III

Name of Subject: Pharmacetical or g. chemistry-III

Subject Teacher: Mr. S.D. Mergod

Sr.No.	Name of The Students	Number of Class Conducted	Previous Class Test/Sessional Marks	Progress/ Marks After remedial coaching
1.	Apunle Gayatri S.	08	07	09
2.	Gonde Mahesh A.	08	04	09
3.	Vikhe Bhagyashri N.	10	07	10
4.	Vikhe Ritesh D.	06	05	08
5.	Vikhe Vaishnavi P.	08	05	12
6.				
7.				
8.				
9.				

Academic/In charge

Mr. S.D. Mergod
Subject In charge



PRAVARA RURAL EDUCATION SOCIETY'S
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University Question Papers

Total No. of Questions : 3]

SEAT No. :

P3707

[Total No. of Pages : 4

[5452]-2003

First Year B. Pharm (Semester - I)

PHARMACEUTICS - I

(2018 Pattern)

Time : 3 Hours]

[Max. Marks : 75

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) Multiple choice questions (MCQ) select the proper choice. [20 × 1 = 20]

- i) The doses of Vitamine are generally given as _____ [02]
- a) mg/kg body wt b) sex
c) I.U. d) divided dosage
- ii) Dose of substance is given as 250mg four times a day on the basis of _____ [02]
- a) Weight b) BSA
c) Elimination time d) None
- iii) _____ called as Legend prescription. [02]
- a) Modern b) NHS
c) CGHS d) Leaflet
- iv) _____ part of prescription will give details of dose schedule. [02]
- a) Inscription b) Subscription
c) Sigma d) Superscription
- v) Compounding & dispensing prescription are written in _____ [02]
- a) English b) Latin
c) French d) German

P.T.O.

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- xiv) Effervescent granules contain slightly excess acid because _____. [C04]
a) It is pleasant b) Stable
c) Complete reaction d) Preservative
- xv) Dusting powder is also called as _____ powder. [C04]
a) Divided b) Talcum
c) Effervescent d) Dredged
- xvi) The dose of Ear drop/Nasal drop is given as _____. [C04]
a) Micro liters b) Mililiter
c) Drop d) None
- xvii) Solutions having freezing point _____ is isotonic with tear secretion. [C03]
a) 0.52°C b) 5.2°C
c) 0.52°F d) -0.52°C
- xviii) The powder which transfer the moisture to another powder is called _____. [C04]
a) Efflorescent b) Hygroscopic
c) Deliquescent d) Effervescent
- xix) Lanoline is a _____ type of ointment base. [C04]
a) Absorption b) Oily
c) Oleogienous d) Aqueous
- xx) The most stable form of coeabutter is _____. [C04]
a) Alfa b) Gamma
c) Bitá d) Lamda



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Q2) Answer any two.

[2 × 10 = 20]

- a) Define prescription. Explain its various parts with suitable example. [C02]
- b) Explain various types of suppositories and its bases. Give the importance of displacement value in preparation with example. [C04]
- c) Define and classify the Incompatibility. Explain physical incompatibility. [C03]

Q3) Solve any seven.

[7 × 5 = 35]

- a) Justify, "syrup I. P is more concentrated than syrup USP". [C04]
- b) Classify emulsion by various ways. Explain aceasia emulsion. [C04]
- c) Classify the suspending agents. Explain flocculated & deflocculated suspension. [C04]
- d) Define ointment. Explain its various bases with example. [C04]
- e) Highlight your views on carrier development of pharmacist in India. [C01]
- f) In what proportion water is added to 75%, 60% & 50% POH. per magnet solution to convert 30% solution. [C03]
- g) The dose of a drug is 40 mg for an adult. What will be the dose for 15 month old infant and 04 years child. [C03]
- h) Explain various factor which affect the dose. [C02]
- i) Justify the process for preparation of sodium citro tartarate effervescent granules. [C04]

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Total No. of Questions : 3]

SEAT No. :

P3398

[Total No. of Pages : 2

[5552]- 2003

First Year B.Pharmacy (Semester - I)
PHARMACEUTICS - I
(2018 Pattern)

Time : 3 Hours]

[Max. Marks : 75

Instruction : Answer all the questions.

Q1) Answer the following :

[10 × 2 = 20]

- a) Differentiate between ointment and paste. [CO4]
- b) Differentiate flocculated. & deflocculated suspension. [CO4]
- c) Classify the powder by various ways. [CO4]
- d) Give solubility enhancement technique of lig [CO4]
- e) Give the labelling conditions of mouthwash and gargle. [CO4]
- f) Give test for identification of emulsion. [CO4]
- g) What is Eutectic mixture. [CO4]
- h) Give the organisation of pharmacy. [CO1]
- i) Define porology. Enlist factors which affect dose. [CO2]
- j) Give the development of Indian Pharmacopoeia. [CO1]

Q2) Answer any two.

[2 × 10 = 20]

- a) Explain the absorption of semilids. Give its evaluation. [CO4]
- b) Define and classify the Incompatibility. Explain chemical Incompatibility. [CO3]
- c) Classify the bases of suppository. Explain how the displacement value of substance is calculated. [CO4]

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Q3) Solve any Seven

[7 × 5 = 35]

- How will you convert 80 w/p & 30 o/p in % strength. similarly 80% & 30% alcohol in proof strength / spirits. [C03]
- Discuss various formulation aspects of suspensions. [C04]
- Explain Therapeutic Incompatibility. [C03]
- Classify emulsion by various ways. Give its stability parameters. [C04]
- Classify the powders. Explain with example divided powders. [C04]
- Explain importance of stock's law in stability of dispense system. [C04]
- Give the evaluation of suppository. [C04]
- Justify the role of pharmacist by his organisational structure. [C01]
- How much water is to be added to 400ml 30%, 500ml 20 % & 600 ml 80% alcohol to make 10% alcohol. [C03]



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[5552]-2003

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Total No. of Questions : 3]

SEAT No. :

P927

[Total No. of Pages : 2

[5854]-1003

Final Year B. Pharmacy
PHARMACEUTICS - I
(2019 Pattern) (Semester - I) (BP103T)

Time : 3 Hours]

[Max. Marks : 75

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) Answer any 5 out of 7.

[15]

- a) List out various roles of pharmacist in health care system.
- b) Define -
 - i) Lozenges
 - ii) Powders
 - iii) Cachets
- c) list out various steps in handling of prescription.
- d) Define posology and give any one formula for dose calculation.
- e) Convert the following degree of proof spirit into real strength (%v/v)
 - i) 75° UP
 - ii) 35.3° OP
- f) Define efflorescent and hygroscopic powders.
- g) How elixir differs from syrups?



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Q2) Long answers questions (Attempt any 2 out of 4) [20]

- a) Discuss the formulation aspects of suspension.
- b) Define emulsion. Discuss identification tests for emulsion. Add a note on their types.
- c) Write a note on
 - i) Displacement value
 - ii) Cold compression method
- d) Write a note on factor influencing the dermal penetration of drug.

Q3) Short answer questions (Attempt any 8 out of 10) [40]

- a) What is the need for dosage form? Classify dosage forms on the basis of site of administration.
- b) Define and classify gels.
- c) Write a note on therapeutic incompatibility.
- d) Formulation aspects for
 - i) Throat paint
 - ii) Enemas
- e) Write a note on history of pharmacy profession
- f) Write about evaluation of semisolid dosage forms.
- g) What are the various errors in prescription
- h) How many ml of 60% w/v glucose solution and 10% w/v glucose solution are required to prepare 3000ml of 20% w/v glucose solution.
- i) What are the factors affecting posology?
- j) Write a note on Creams.





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PA-4525

[Total No. of Pages : 2]

[5940]-1003
F.Y. B.Pharmacy
BP103T : PHARMACEUTICS - I
(2019 Pattern) (Semester - I)

Time : 3 Hours]

[Max. Marks : 75

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.

Q1) Answer any 5 out of 7 :

[5 × 3 = 15]

- a) Explain how pharmacy education started in India.
- b) Define :
 - i) Cachets
 - ii) Lozenges
 - iii) Pills
- c) Enlist the steps in prescription handling.
- d) Define posology and give any one formula for dosage calculation.
- e) Convert the following degree of proof spirit into real strength (% v/v)
 - i) 75° UP
 - ii) 35.3° OP
- f) Define effervescent powder and enlist their advantages.
- g) What is reconstituted suspension? Give one example of it?

Q2) Long answer questions (Answer any 2 out of 4) :

[2 × 10 = 20]

- a) Comment on stability of suspension.
- b) Define emulsion. Discuss the identification tests for emulsion. Add a note on their types.
- c) Discuss various suppository bases in detail also add a note on additives for suppository.
- d) Write a note on factors influencing the dermal penetration of drug.



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Q3) Short answer questions (Solve any 8 out of 10) : [8 × 5 = 40]

- a) Classify dosage forms on the basis of site of administration and give any two needs for dosage forms.
- b) Classify gels.
- c) Write a note therapeutic incompatibility.
- d) Explain theories of emulsification.
- e) Define monophasic liquids. Classify them in detail.
- f) Enlist various solubility enhancement techniques and explain any 1 in detail.
- g) Describe powders for external application.
- h) Explain factors affecting dose of drug.
- i) How many ml of 60% w/v glucose solution and 10% w/v glucose solution are required to prepare 3000ml of 20% w/v glucose solution?
- j) Write a note on pharmacy as a career.



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Question Bank

PHARMACEUTICS-I (Theory) (BP103T)

	Questions	CO mapped	Bloom level
UNIT I			
Q.1	Write in detail on history of profession of pharmacy in India in relation to pharmacy education.	CO1	1
Q.2	Define prescription and explain different parts of prescription.	CO2	1
Q.3	Write in detail about handling and errors in prescription	CO2	1
Q.4	Write short notes on BP and USP.	CO1	1
Q.5	Write in brief about IP.	CO1	1
Q.6	Define posology and explain the factors affecting posology.	CO2	2
Q.7	Explain in brief about Young's and Clark's method for converting adult dose into child dose.	CO2	2
UNIT II			
Q.8	Write about imperial system of weights and measures.	CO3	1
Q.9	Write about displacement value and mention its significance.	CO3	1
Q.10	Write in detail about alligation method	CO3	1
Q.11	In what proportions does 50% of emulsion and 60% of emulsion required to 40% of emulsion?	CO3	3
Q.12	Write about alligation method and proof spirit. In what proportions must 70% of alcohol and 20% of alcohol required to make 30% of alcohol?	CO3	3
Q.13	Define and classify liquid dosage forms. Write about different excipients used in liquid dosage forms.	CO4	1
Q.14	Write about Metric system of weights and measure in brief.	CO3	1
Q.15	What are powders? Write the advantages and disadvantages of powders.	CO4	1
Q.16	Write about Dusting and Effervescent powders in brief.	CO4	1
Q.17	Write about preparation method of simple syrup as per IP.	CO4	1
Q.18	Write in brief about eutectic mixtures.	CO4	1
Q.19	What are liquid dosage forms and explain the advantages and disadvantages of liquid dosage forms.	CO4	1
UNIT III			
Q.20	Write about preparations of mouthwashes and lotions.	CO4	1
Q.21	Write about mouth washes and gargles in brief.	CO4	1
Q.22	Write in brief about Elixirs and Liniments.	CO4	1
Q.23	Define emulsion and mention a note on emulsifying agents	CO4	1



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Q.24	Mention in detail about stability problems encountered by suspensions	CO4	1
Q.25	What are Emulsions? Mention the stability problems of emulsions.	CO4	1
Q.26	Define suspensions. Explain about flocculated and deflocculated suspension.	CO4	1
Q.27	Define emulsions and mention any two methods of preparation of emulsions	CO4	1
UNIT IV			
Q.28	Define and classify different types of incompatibilities.	CO3	2
Q.29	Define incompatibility and explain about physical incompatibility.	CO3	2
Q.30	Write about different types of suppositories bases and evaluation of suppositories.	CO4	1
Q.31	Explain different types of suppositories bases used in preparation of suppositories	CO4	2
Q.32	Write about chemical and therapeutic incompatibility with one example to each	CO3	1
UNIT V			
Q.33	Write about excipients used in semi solid dosage forms	CO4	2
Q.34	Write in brief about creams and gels.	CO4	1
Q.35	Explain evaluation methods for semi solid dosage forms.	CO4	2
Q.36	Define ointment and explain preparation of ointments.	CO4	1
Q.37	Explain the mechanism involved in dermal penetration of drugs	CO4	2





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Assignment No.1 [A.Y. 2021-22]

Unit: 1&2

Subject: Pharmaceutics-I (BP103T)

Date of issue:

Class: B.Pharm. (Sem. I)

Total Marks: 20

Date of submission:

Question No.	Questions	Max. Marks	Unit no.as per syllabus	CO Mapped	Bloom's Taxonomy Level
01.	Write in detail on history of profession of pharmacy in India in relation to pharmacy education	04	1	CO1	1
02.	Define prescription and explain different parts of prescription	04	1	CO2	1
03.	Write about Metric system of weights and measure in brief.	04	2	CO3	1
04.	Define and classify liquid dosage forms. Write about different excipients used in liquid dosage forms	04	2	CO4	2
05.	What are powders? Write the advantages and disadvantages of powders.	04	2	CO4	1



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Assignment No.2 [A.Y. 2021-22]

Unit: 3&4

Class: B.Pharm. (Sem. I)

Subject: Pharmaceutics-I (BP103T)

Total Marks: 20

Date of issue:

Date of submission:

Question No.	Questions	Max. Marks	Unit no.as per syllabus	CO Mapped	Bloom's Taxonomy Level
01.	Define emulsion and mention a note on emulsifying agents	04	3	CO4	1
02.	Write about preparations of mouthwashes and lotions.	04	3	CO4	1
03.	Define and classify different types of incompatibilities. Write about chemical and therapeutic incompatibility with one example to each	04	4	CO3	1
04.	Explain different types of suppositories bases used in preparation of suppositories	04	4	CO4	2
05.	Write about excipients used in semi solid dosage forms	04	5	CO4	1

**CLASS TEST-I
(AY 2021-22)**

Branch: B Pharm

Date:

Semester: I

Duration: 1 hour

Subject: Pharmaceutics-I (BP103T)

Max. Marks: 20M

Note: 1. All Questions are compulsory

2. Bloom's Taxonomy level: Bloom Levels (BL) : 1. Remember 2. Understand
3. Apply 4. Create

3. All questions are as per course outcomes

4. Assume suitable data wherever is required.

Question No.	Questions	Max. Marks	Unit no. as per syllabus	CO Mapped	Bloom's Taxonomy Level
01.	Write short notes on BP and USP.	05	1	CO1	1
02.	Write about displacement value and mention its significance	05	2	CO3	1



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03.	Define posology and explain the factors affecting posology.	05	1	CO2	1
04.	Write about Dusting and Effervescent powders in brief	05	2	CO4	1

CLASS TEST- II
(AY 2021-22)

Branch: B Pharm

Semester: I

Subject: Pharmaceutics-I (BP103T)

Date:

Duration: 1 hour

Max. Marks: 20M

Note: 1. All Questions are compulsory

**2. Bloom's Taxonomy level: Bloom Levels (BL) : 1. Remember 2. Understand
3. Apply 4. Create**

3. All questions are as per course outcomes

4. Assume suitable data wherever is required.

Questio No.	Questions	Max. Marks	Unit no. as per syllabus	CO Mapped	Bloom's Taxonomy Level
01.	Mention in detail about stability problems encountered by suspensions	05	3	CO4	1
02.	Write about different types of suppositories bases and evaluation of suppositories.	05	4	CO4	1
03.	Write in brief about Elixirs and Liniments.	05	3	CO4	1
04.	Explain evaluation methods for semi solid dosage forms.	05	5	CO4	2



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A handwritten signature in purple ink, appearing to read 'Princpal'.

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PCI Regulation SEMESTER - I

SUBJECT – PHARMACEUTICS – I

- Define Prescription. Discuss various parts of prescription with an example.
- Define Emulsion. Write the methods of preparations and identification tests for determination of types of Emulsion.
- Define Suppository. Classify suppository bases. Explain in detail the methods of preparation and write the ideal properties of suppository bases.
- Write about the Career opportunities in Pharmacy profession.
- Define dosage forms and give its classification.
- a) Prepare 150 ml of 4% potassium permanganate solution and label with directions for preparing 500ml of 1 in 2500 solution.
- b) Prepare 400ml of 70% alcohol from 95% alcohol (By Alligation).
- Write note on: Hygroscopic, Efflorescent & Deliquescent powders.
- Define Syrup. Write the advantages, disadvantages and methods of preparations.
- Distinguish the following with examples:
 - o a) Lotions with Liniments. b) Gargles with Mouth washes.
- Differentiate Flocculated and Deflocculated suspensions.
- What are the causes of Physical incompatibilities and how to overcome?
- Define Ointment. Write the types and ideal properties of ointment bases.
- Define Pharmacopoeia and list out the Pharmacopoeias which are being referred extensively.
- Excipients used in formulation of liquid dosage forms.
- Write the formulae by which doses can be calculated depending on age.
- Define Proof Spirit.
- Write the classification of Powders.
- Write about Eutectic mixtures.
- What is Draught?



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- Define Suspension and give examples of suspending agents.
- What is therapeutic Incompatibility and write the sources of errors?
- Define Gels. What are the different gelling agents?
- Define posology. Discuss the factors affecting selection of dose.
- Classify powders with suitable examples. Write a note on advantages and disadvantages of powders.
- Define incompatibility. Explain therapeutic incompatibility with examples.
- Brief note on Indian pharmacopoeia.
- Write about eutectic and effervescent powders.
- Discuss physical stability of suspension.
- Differentiate ointments and pastes.
- Give the classification of emulsifying agents with examples.
- Discuss the evaluation tests for suppository.
- o Calculate the quantity of sodium chloride required for 500 ml of a 0.9 percent solution.
- o Prepare 600 ml of 60 percent alcohol from 95 percent alcohol.
- Write about the preparation of Gels.
- Write a note on handling of prescription.
- What are throat paints? Give the preparation of any one official throat paint.
- What is a Pharmacopoeia?
- Define superscription.
- Give Fried's formula.
- What is proof spirit?
- What are efflorescent powders?
- What do you mean by organoleptic additives?
- What is a co solvent? Give an example.
- How do you lubricate a suppository mould?



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- What is Forbe's method?
- What is degree of flocculation?
- Discuss the various solubility enhancement techniques.
- Write the mechanism of dermal penetration. Explain the method of preparation of creams.
- What are suspensions? Give classification of suspensions. Explain different components used for preparation of suspension.
- Discuss history and development of profession of pharmacy in India.
- Discuss different errors in prescription.
- a) How will you prepare 200 ml of 60 percent alcohol from 90 percent and 50 percent alcohols.
- b) Calculate the dose for a 9 years old child when the adult dose is 250mg.
- Discuss the bulk powders which meant for external use.
- Write a note on Elixir. Give the difference between Syrup and Elixir.
- Discuss the Suspending agents used to stabilize the suspensions.
- Write note on Instability of emulsions.
- Explain how Suppositories are evaluated.
- Give the fusion method preparation of ointment with a suitable example.
- What do you understand by Indian Pharmacopoeia?
- Give advantages and disadvantages of liquid dosage form.
- What is an inscription?
- How pediatric dose is calculated on the basis of body weight?
- Give the types of dusting powders.
- What are Preservatives? Give an example.
- What are Ear drops?
- Give the qualities of a good suspension.
- What are Emulsifying agents? Give examples.
- Differentiate between ointments and pastes.



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- Define semisolids. Write about different ointment bases.
- Differentiate flocculated and deflocculated suspension. Write a note on stability problems of suspensions.
- Write the evaluation tests for Ointments.
- Write in brief about Pharmacy as a career.
- Write about errors in prescription.
- Explain geometric dilution.
- Give the formulation of elixir with suitable examples.
- Explain solubility enhancement methods.
- Write the various tests to identify the type of emulsion.
- Give the properties of an ideal suppository base.
- Write in brief about alkaloidal incompatibility with suitable examples and methods to overcome it.
- Write the factors affecting dermal penetration of drugs.
- Define mouthwash and gargle.
- What is an excipient? Give example.
- Write any two dose calculation formulas based on age.
- What is Extra Pharmacopoeia?
- Define isotonic solution.
- What are efflorescent powders?
- What is phase inversion?
- What is a flocculating agent?
- What is Lugol's solution?
- Use of calamine and bentonite in calamine lotion.
- Define Dosage forms. Classify various types of dosage forms with examples and mention its advantages and disadvantages.
- Define and classify Emulsion. Discuss about types of emulsifying agent and elaborate on



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various methods of emulsion preparation and stability problems associated with emulsion on storage.

- Define Incompatibility. Explain about different types of incompatibility with suitable examples and mention about its remedies.
- Write in detail about different edition and volumes of Indian Pharmacopoeia.
- Explain about different parts of Prescription.
- Enumerate the factors affecting Posology.
- Give the complete classification of powders with example
- a. Calculate the volume of each of 90%, 60%, 30% of alcohol and water required to produce 500 ml of 50% alcohol.
- b. What % strength corresponds to 400 O/P and 500 U/P?
- Mention the difference between Lotion and Liniment.
- Differentiate Flocculated and Deflocculated system.
- Give the property of Ideal suppository base.
- Explain in detail about preparation and evaluation of Gels.
- What is Martindale?
- Imperial and Metric system
- Methods used for measuring Isotonicity.
- Write about Fried's rule.
- Explain Forbe's method.
- Is there any need of suspending agent in milk of Magnesia? Why.
- Write about Calibration of suppository mould.
- Characteristics of Hygroscopic powders. Give example.
- Define Enema and mention its type.
- Ideal properties of Ointment base.
- Define Pharmacopoeia. Explain about its significance. Give a brief review on the development of Indian Pharmacopoeia and British Pharmacopoeia.



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- Define Posology. Enumerate the factors affecting posology. How paediatric dose is calculated on the basis of age, bodyweight and body surface area.
- Define Incompatibility. Describe about various types of incompatibility with examples and provide its remedies.
- Explain about different parts of Prescription.
- How much ml of 30% dextrose in water and 60% dextrose in water are needed to make 750 ml of 45% dextrose in water? What % strength corresponds to 400 O/P and 600 U/P
- Discuss about Powders used for external use with examples
- Write about method of preparation of Throat Paint and its application.
- Differentiate Flocculated and Deflocculated suspension.
- Explain different methods of preparation of Emulsion.
- Describe the properties of Ideal suppository base.
- What are pastes? Give its salient features .Comment on preparation of paste.
- Classify gels and enlist components used in preparation of gels.
- Mention two stability problems associated with Emulsion.
- Difference between Simple and Compound powder. Give example
- If the adult dose is 60 mg and the age of child is 6 years what will be the dose for the child according to Dilling's rule.
- Convert 90% v/v alcohol into its proof strength.
- Explain Synergistic effect.
- What is mean by Counter irritant? Give example.
- Write about Diffusible and Indiffusible solids.
- Define the term Displacement value.
- Define emulsion.
- Mention about types of Ointment bases.
- Define Prescription. Explain about different parts of Prescription. Discuss about handling of Prescription and rectification of Errors in Prescription.



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- Define and classify Suppositories. Explain about different method of preparation and its ideal properties.
- Define and classify Gels. Explain in detail about preparation and evaluation of Gels
- Give note on the different edition and volumes of Indian Pharmacopoeia.
- a. How much ml of 20% dextrose in water and 50% dextrose in water are needed to make 750 ml of 35% dextrose in water?
- o b. What % strength corresponds to 300 O/P and 400 U/P?
- Give the complete classification of Powders with example.
- Discuss about different excipients used in Liquid dosage forms?
- Define Syrup. Mention its type and method of preparation.
- Elaborate different stability problems associated with Emulsions and mention how to overcome it.
- Write the difference between Flocculated and Deflocculated suspension.
- What is meant by Physical incompatibility? Give examples.
- What are Pastes? Give its salient features .Comment on preparation of Paste.
- What is Extra Pharmacopoeia?
- If the adult dose is 60 mg and the age of child is 4 years what will be the dose for child according to Young' rule?
- What is Ostwald Ripening?
- Give a note on Flocculation.
- How to avoid Creaming in emulsion?
- Define Microemulsion.
- What is Zwitterion? Give Example.
- What is meant by Synergistic effect?
- What is the direction to be given while taking effervescent powders?
- Write about Pessaries.
- Define Prescription. Write a brief note on parts of the prescription and handling of



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prescription.

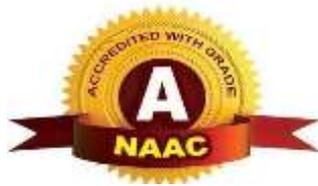
- What are Powders? Classify the powders with examples. Add a note on efflorescent powder.
- Define suppositories. Write about the suppository bases.
- Differences between Lotions and Liniments
- Write the formulas involved in the calculation of child dose.
- Give a brief note on Indian pharmacopoeia.
- Explain the methods to improve solubility of drugs.
- Write a brief note on various methods to prepare emulsion
- Give a brief note on Therapeutic Incompatibility 7. What are the Excipients used in semisolid dosage forms?
- Classify the dosage forms with examples.
- What are the various factors affecting Posology?
- Define Proof spirit.
- What is stokes law?
- Write about Pessaries.
- What are Geometric dilutions?
- Define Throat paints.
- What is displacement value?
- What are Gels? •

What is the role of emulsifying agent in emulsion formation? 9. What is meant by degree of flocculation

10. What are elixirs?



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Model Answers:

1. What is a Eutectic Mixture?

- A eutectic mixture is a mixture of two or more substances that has a lower melting point than any of its individual components.
- In a eutectic mixture, the components are typically solid at room temperature but, when combined in specific proportions, they form a liquid or melt at a temperature lower than the melting points of the individual components.
- The eutectic point is the composition at which the lowest melting temperature is achieved. Below this specific composition, the mixture will have a higher melting point, and above it, the mixture will also have a higher melting point. The eutectic mixture exhibits unique thermodynamic properties, and it is commonly used in various industrial applications, such as in the production of alloys, solders, and certain types of materials with specific melting point requirements.
- An example of a eutectic mixture is the combination of tin and lead in certain proportions, which forms a eutectic alloy commonly used in soldering applications.

2. Differentiate Flocculated and deflocculated suspension?

Flocculated and deflocculated suspensions refer to two different states of colloidal systems, where particles are dispersed in a liquid medium. The terms are often used in the context of colloidal chemistry.

Flocculated Suspension:

Definition: In a flocculated suspension, the particles are loosely aggregated or grouped together in the form of clusters or flocs.

Particle Interaction: The particles in a flocculated suspension have weak attractive forces between them, allowing them to come together to form larger, visible aggregates.

Stability: Flocculated suspensions are generally less stable than deflocculated suspensions. The flocs can settle more easily, leading to sedimentation.





Viscosity: The viscosity of a flocculated suspension is usually higher compared to a deflocculated one due to the larger size of the flocs.

Deflocculated Suspension:

Definition: In a deflocculated suspension, the particles are uniformly dispersed as individual, separate entities in the liquid medium.

Particle Interaction: Deflocculated particles repel each other due to surface charges, preventing them from coming together. This electrostatic repulsion keeps the particles dispersed.

Stability: Deflocculated suspensions are more stable than flocculated ones. The individual particles remain dispersed, reducing the likelihood of sedimentation.

Viscosity: Deflocculated suspensions generally have lower viscosity than flocculated ones because the particles do not aggregate, leading to less resistance to flow.

3. Discuss various formulation aspects of suspensions

The formulation of suspensions involves designing a stable system in which finely divided solid particles are dispersed in a liquid medium. Several factors need to be considered to ensure the stability, homogeneity, and desired properties of the suspension. Here are various formulation aspects of suspensions:

▪ Particle Size and Distribution:

The particle size of the dispersed phase is critical for stability and performance. Smaller particles generally lead to more stable suspensions.

A narrow particle size distribution helps prevent settling and improves overall homogeneity.

▪ Particle Surface Charge:

Surface charge on particles plays a crucial role in preventing aggregation. Electrostatic repulsion between particles with similar charges helps maintain dispersion.

Ionic surfactants or stabilizers are often added to modify the surface charge and enhance stability.

▪ Stabilizers and Surfactants:

Stabilizers or surfactants are added to improve the stability of the suspension by reducing interparticle attraction.

Non-ionic surfactants are commonly used to prevent flocculation, while ionic surfactants can be used to control the surface charge.

▪ Viscosity and Rheology:





Viscosity influences the ease of pouring, spreading, and overall application of the suspension.

Rheological modifiers, such as polymers or thickeners, are added to control viscosity and prevent settling of particles.

▪ **pH Control:**

pH can influence the stability of the suspension. Some particles may aggregate or dissolve at extreme pH values.

Buffering agents are often used to control and maintain the pH within a suitable range.

▪ **Antimicrobial Agents:**

Preservatives are added to prevent microbial growth and spoilage of the suspension over time.

Antioxidants may also be included to protect against oxidation of sensitive components.

▪ **Dispersing Agents:**

Dispersing agents improve the wetting of particles and facilitate their uniform dispersion in the liquid medium.

These agents reduce interfacial tension and promote particle separation.

▪ **Settling and Sedimentation:**

Sedimentation can be controlled by choosing the appropriate density and size of particles and by incorporating thickeners or suspending agents.

Shake well instructions on the product label are common for re-dispersing settled particles.

▪ **Compatibility of Ingredients:**

Compatibility between all ingredients is crucial to avoid unwanted interactions that could lead to instability or changes in product properties.

▪ **Packaging:**

The choice of packaging material can affect the stability of the suspension. For example, some materials may interact with the formulation or allow the permeation of gases.

▪ **Quality Control:**

Rigorous quality control measures are essential to ensure consistency in particle size, distribution, and other critical parameters.

What are the factors affecting Posology?

Posology refers to the study of the dosage of medicines and the factors that influence the determination of the appropriate dose for an individual. Several factors can affect posology,





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and healthcare professionals consider these factors to ensure the safe and effective use of medications. Here are some key factors that can influence posology:

Patient Characteristics:

Age: Children, adults, and the elderly may require different dosages due to variations in metabolism and physiological functions.

Weight: Dosage often correlates with body weight, especially in pediatric patients.

Physiological Factors:

Renal Function: Impaired kidney function can affect drug elimination, requiring dose adjustments.

Hepatic Function: Liver function can impact drug metabolism, influencing the dosage regimen.

Cardiac Output: Blood circulation can affect the distribution of drugs throughout the body.

Genetic Factors:

Genetic Polymorphisms: Genetic variations can influence drug metabolism and response, leading to variability in drug effects.

Disease State:

Severity of Disease: The stage and severity of the disease may affect drug absorption, distribution, metabolism, and elimination.

Coexisting Conditions: Other medical conditions may impact drug pharmacokinetics and pharmacodynamics.

Drug Characteristics:

Drug Formulation: The form in which the drug is administered (e.g., tablet, liquid, injection) can affect its absorption and bioavailability.

Half-Life: Drugs with a short half-life may require more frequent dosing.

Drug-Drug Interactions:

Interactions: Concomitant use of multiple drugs can lead to interactions, affecting the pharmacokinetics and pharmacodynamics of each drug.

Route of Administration:



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Bioavailability: The route through which a drug is administered can influence its bioavailability and, consequently, the required dosage.

Patient Compliance:

Adherence to Medication: Patient adherence to prescribed dosages is crucial for the effectiveness of treatment.

Ethnic and Cultural Factors:

Ethnicity: Some ethnic groups may metabolize drugs differently, influencing dosage requirements.

Pregnancy and Lactation:

Pregnancy: Physiological changes during pregnancy can affect drug metabolism, and some drugs may have teratogenic effects.

Lactation: Drugs may be excreted in breast milk, necessitating dosage adjustments or consideration of alternative medications.

Individual Variability:

Tolerance and Sensitivity: Individuals may vary in their sensitivity to drugs, requiring adjustments based on individual response.

What are Emulsions? Mention the stability problems of emulsions.

Emulsions are colloidal systems consisting of two immiscible liquids, typically oil and water, stabilized by an emulsifying agent. The emulsifying agent (also known as an emulsifier or surfactant) facilitates the dispersion of one liquid phase into the other, forming small droplets. Emulsions can take various forms, including oil-in-water (O/W) or water-in-oil (W/O), depending on the continuous phase.

Stability is a crucial aspect of emulsions, and several factors can lead to instability or phase separation.

The stability problems of emulsions include:

Creaming or Sedimentation:



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Cause: Uneven distribution of droplets with larger droplets rising or settling due to differences in density.

Effect: Formation of a layer at the top or bottom of the emulsion.

Prevention: Use of emulsifiers and stabilizers to reduce droplet size and promote uniform dispersion.

Coalescence:

Cause: Fusion or merging of adjacent droplets, leading to larger droplets.

Effect: Reduction in surface area and destabilization of the emulsion.

Prevention: Use of emulsifiers and proper formulation to hinder droplet coalescence.

Flocculation:

Cause: Aggregation or clustering of droplets without actual fusion.

Effect: Formation of larger, loosely bound clusters that may settle or rise.

Prevention: Selection of appropriate emulsifiers and controlling conditions like pH and ionic strength.

Phase Inversion:

Cause: Conversion of an oil-in-water emulsion to a water-in-oil emulsion, or vice versa.

Effect: Change in the emulsion type, affecting stability.

Prevention: Careful selection of emulsifiers and maintenance of formulation conditions.

Ostwald Ripening:

Cause: Growth of larger droplets at the expense of smaller ones due to differences in solubility.

Effect: Shift in droplet size distribution toward larger droplets.

Prevention: Use of emulsifiers, maintaining low interfacial tension, and controlling temperature.



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Chemical Instability:

Cause: Chemical reactions between emulsion components, such as oxidation or hydrolysis.

Effect: Degradation of the emulsion components and loss of stability.

Prevention: Addition of antioxidants, control of pH, and proper storage conditions.

Microbial Contamination:

Cause: Growth of microorganisms in the emulsion.

Effect: Spoilage and potential health risks.

Prevention: Use of preservatives and ensuring proper hygiene and storage conditions.

Temperature and Thermal Instability:

Cause: Changes in temperature leading to alterations in viscosity and phase separation.

Effect: Loss of stability and separation of phases.

Prevention: Stabilization through emulsifiers and adjusting formulation for temperature changes.



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Page No:

Date:

Name : Shelke Apurva Balasaheb

Subject : Pharmaceutics I

Roll No : 89

College : P. R. C. O. P, Loni

Tutorial Book



Tutorial No 1

Page No.
Date 14/01/23

Q1] Write a note on IP &

⇒ Pharmacopoeia :-

It is the officially derived book by authority government of India, which contains whole information of drug.

Indian Pharmacopoeia :-

- The main purpose of Indian Pharmacopoeia was to maintain the quantity of drug.
- It was established by authority government by autonomous institute body in Gaziabad.
- It was controlled by ministry of health and human welfare.
- First Edition of IP was established in 1955 under the chairmanship of Dr. BN Ghosh.



Page No. _____

Date _____

Edition	Year	Chairmanship	Volume
1	1955	Dr. B. N. Ghosh	1
2.	1966	Dr. B. Mukherjee	1
3.	1985	Dr. Nityanand	2
4.	1996	Dr. Nityanand	2
5.	2007	Dr. Nityanand	3
6	2010	Mr. P. K. Pradhan	3
7.	2014	Dr. Keshav Desai	4
8.	2018	Dr. C. K. Mishra	4

Page



Tutorial - 2

19/01/23

Q1] Define and classify Dosage form?

→ • Dosage form :-

Defⁿ: It is defined as the different forms of drug product which are marketed for use in the form of Syrup, Elixirs, Powders etc.

• classification :

on the basis of
Physical form

on the basis
of Route of
Administration

• On the basis of physical form •

Solid

Liquid

Semi-solid

unit

Bulk

Biphasic

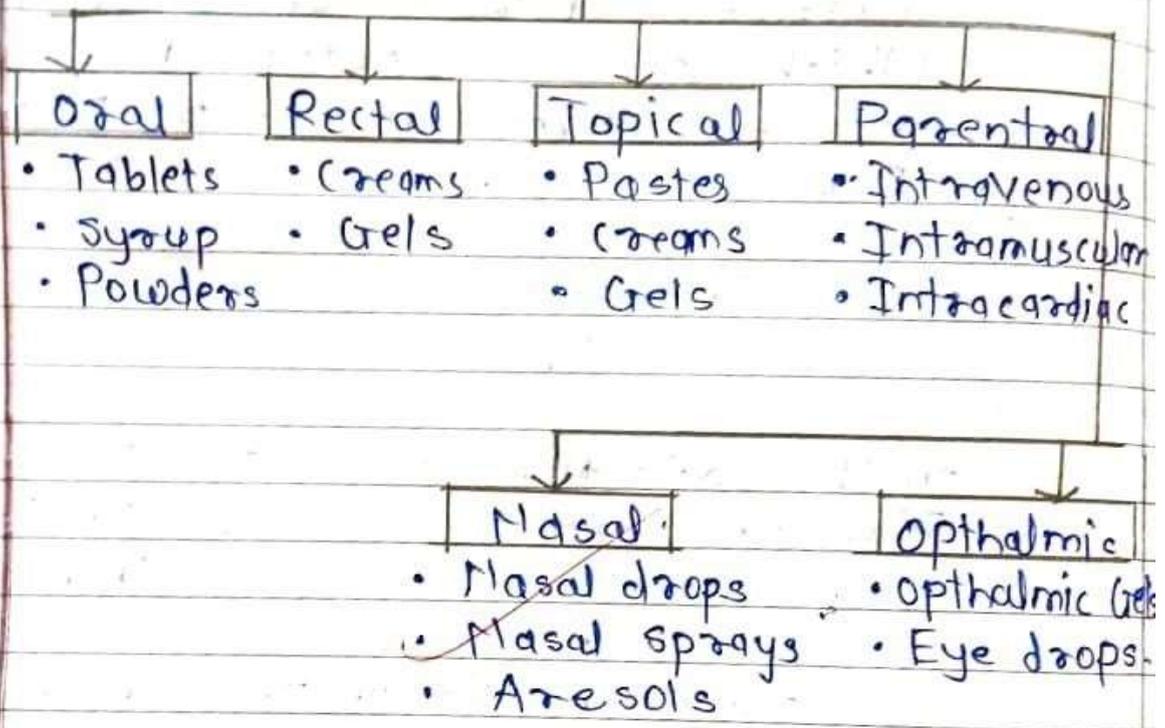
Monophasic

Internal

External



• on the basis of Route of Administration •



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Tutorial 3

Q1] Write a note on prescription.

→ • Prescription :-

Defn: Prescription is defined as the hand written order by medical practitioner to pharmacist to dispensed properly to a patient. medicament.

• Parts of Prescription :-

→ Date

→ Name, Age, Sex And Address of the patient

→ Superscription

→ Inscription

→ Subscription

→ Signature

→ Renewal Instruction

→ Signature, Address and Registration No. of prescriber.



• Steps in Handling of Prescription

- ① Receiving
↓
- ② Reading And checking
↓
- ③ Collecting And Weighing
↓
- ④ Compounding, Labelling And Packaging.

• Errors in Prescription :-

- ① Abbreviation Error
- ② Name of the drug
- ③ strength of prescription
- ④ Dosage form of the drug prescribed
- ⑤ Instruction to the patient
- ⑥ Incompatibilities.



Page No	
Date	

★ Parts of Prescription :-

① Date : 23/4/2023

Name : Shelke Apurva Balasaheb.
Age : 19
Weight : 45

②

Rx ③

④ Paracetamol - 500 mg
tab Paracetamol 10
BID for 5 days

⑤ Signature

⑥ Regi. No & seal

Fayal



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Competitive Exam Guidance from June 2022-May 2023

Sr. No.	Date	Name of Expert	Organization	Number of students	Topic
1.	27.08.2022	Dr.Machhindra Bochare, CEO & Founder,	Academy of NIPER Aspirants (ANA).	UG-117	Webinar on GPAT and NIPER preparation 2023”
2.	03.09.2022	Mr. Pratap Pawar,	MET institute of Pharmacy, Nashik.	UG-108	“Workshop on GPAT and NIPER preparation 2023”
3.	12.09.2022	Peeyush Jaiswal,	GPAT discussion centre Pvt. Ltd	UG-81	“Seminar on career guidance GPAT preparation and soft skill development”
4.	29.01.2023	Dr Nazma Inamdar	Gov. College of Pharmacy	UG-108	One Day workshop on GPAT & NIPER Preparation 2023



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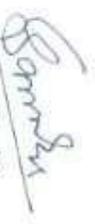
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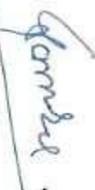


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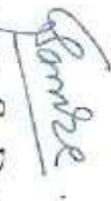


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Mini Project Summary

Academic Year 2022-2023

Sr,No	Name of the Student	Title	Guided by
1	Adhav Hindavi Sunil	Formulation and Evaluation of Anti-fungal cream Aegle mereteous	Mrs.H.S.Bhawar
2	Asawa Om Sanjay	Formulation and Evaluation of Anti-fungal cream Aegle mereteous	Mrs.H.S.Bhawar
3	Bangar Shriram Popat	Synthesis, Characterization and invitro antibacterial activity of 2-chloro-N-2-chlorophenyl benzamide	Dr.R.J. Bhor
4	Bhagat Dhanashri Bhausahab	Synthesis, Characterization and invitro antibacterial activity of 2-chloro-N-2-chlorophenyl benzamide	Dr.R.J. Bhor
5	Bhonde Priya Vinayak	Design, Synthesis and Evaluation of Antidepressant Activity of some new derivative of phenothiazine	Mr.A.S.Dighe
6	Binage Asmita Ashok	Design, Synthesis and Evaluation of Antidepressant Activity of some new derivative of phenothiazine	Mr.A.S.Dighe
7	Borade Shubhangi Shivlal	A Pharmacognostic approach towards anti-infective and anti-inflammatory emulgel formulation of Thuja occidentalis piper betle	Mr.S.D.Magar
8	Chate Shivkanya Dilip	A Pharmacognostic approach towards anti-infective and anti-inflammatory emulgel formulation of Thuja occidentalis piper betle	Mr.S.D.Magar
9	Chavan Sayli Ramrao	The Laboratory waste Management in Pharmacy Field	Dr.M.S.Bhosale



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10	Chavan Vaishnavi Visnu	The Laboratory waste Management in Pharmacy Field	Dr.M.S.Bhosale
11	Dale Ashwini Fakirchand	Pharmacognostic, pharmacological investigation and formulation and evaluation of vanishing cream from Moringa Oleifera	Mr.A.S.Dighe
12	Darkunde Rahul Sukhdev	Pharmacognostic, pharmacological investigation and formulation and evaluation of vanishing cream from Moringa Oleifera	Mr.A.S.Dighe
13	Dodake Pranali Dadasaheb	A Pharmacognostic approach towards antiinfective and anti-inflammatory emulgel formulation of Thuja occidentalis piper betle	Mr.S.D.Magar
14	Gadekar Sanket Sunilrao	A Pharmacognostic approach towards antiinfective and anti-inflammatory emulgel formulation of Thuja occidentalis piper betle	Mr.S.D.Magar
15	Gaikwad Mayur	A Pharmacognostic approach towards antiinfective and anti-inflammatory emulgel formulation of Thuja occidentalis piper betle	Mr.S.D.Magar
16	Gaikwad Yogeshwari Madhukar	Formulation and Evaluation of Apixaben oral Disintegration tablet using natural disintegrant	Dr.S.S.Siddheshwar
17	Ghogare Sudarshan Gokul	Formulation and Evaluation of Apixaben oral Disintegration tablet using natural disintegrant	Dr.S.S.Siddheshwar
18	Ghorpade Komal Rajendra	Formulation and Evaluation of Apixaben oral Disintegration tablet using natural disintegrant	Dr.S.S.Siddheshwar
19	Ghorpade Sakshi Vilas	Formulation, Development and Evaluation of Antihemorrhoidal Polyherbal Capsule	Dr.S.D.Mankar
20	Girge Shubham Nindkishor	Formulation, Development and Evaluation of Antihemorrhoidal Polyherbal Capsule	Dr.S.D.Mankar
21	Gunjal Nikita Arun	Formulation, Development and Evaluation of Antihemorrhoidal Polyherbal Capsule	Dr.S.D.Mankar
22	Hyalij Aditya Bhausahab	Formulation, Development and Evaluation of Antihemorrhoidal Polyherbal Capsule	Dr.S.D.Mankar



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23	Jadhav Manisha Subhash	Formulation and Evaluation of Herbal Lip balm	Mrs. Tejal S. Nirmal
24	Jagtap Anurag Balasaheb	Formulation and Evaluation of Herbal Lip balm	Mrs. Tejal S. Nirmal
25	Jejurkar Abhijit Sanjay	Formulation and Evaluation of Herbal Lip balm	Mrs. Tejal S. Nirmal
26	Jejurkar Sahil Mahendra	Formulation and Evaluation of banana root Extract cold cream	Mrs. P.S.Gawali
27	Jondhale Tejas Abasaheb	Formulation and Evaluation of banana root Extract cold cream	Mrs. P.S.Gawali
28	Joshi Rohit Sanjay	Formulation and Evaluation of banana root Extract cold cream	Mrs. P.S.Gawali
29	Kadam Suraj Ram	Formulation and Evaluation of Topical Lotion of Meloxicam	Dr.R.K.Godage
30	Kakade Kishori Bharat	Formulation and Evaluation of Antifungal cream	Dr.R.K.Godage
31	Kanhore Vaishnavi Balasaheb	Formulation and Evaluation of Antifungal cream	Dr.R.K.Godage
32	Kardile Vaishnavi Chhagan	Herbal fast disintegrating Anthelmintic Tablet	Mr.M.H.Kolhe
33	Kawade Sakshi Manohar	Herbal fast disintegrating Anthelmintic Tablet	Mr.M.H.Kolhe
34	Kotkar Pratiksha Santosh	Herbal fast disintegrating Anthelmintic Tablet	Mr.M.H.Kolhe
35	Landge Kajal Rajendra	The Phytochemical screening and Pharmacognostic study of A.Aspera	Mrs. M. Sonawane
36	Lokhande Rutuja Rajendra	The Phytochemical screening and Pharmacognostic study of A.Aspera	Mrs. M. Sonawane
37	Mahashabde Vaishnavi Raju	The Phytochemical screening and Pharmacognostic study of A.Aspera	Mrs. M. Sonawane



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38	Malvade Pratik Vijay	Formulation and Evaluation of Meloxicam ointment	Mrs.K.V.Dhamak
39	Mule Pratiksha Sarvottamrao	Formulation and Evaluation of Polyherbal Soap	Mrs.K.V.Dhamak
40	Muntode Prasad Jagdish	Efficacy and Safety of Meloxicam for topical pain Management	Mrs.K.V.Dhamak
41	Musmade Projwal Sitaram	Pharmacognostic , Pharmacological Investigation and Formulation and Evaluation of Herbal Cold Cream from Demostalchya Bipinnata	Mrs .S.A.Vikhe
42	Navale Abhijit Sukdev	Pharmacognostic , Pharmacological Investigation and Formulation and Evaluation of Herbal Cold Cream from Demostalchya Bipinnata	Mrs .S.A.Vikhe
43	Nimbalkar Stuti Abhay	Antibacterial Activity of Alianthus excelsa Stem bark	Dr.S.R.Vikhe
44	Nirmal Kiran Balasaheb	Antibacterial Activity of Alianthus excelsa Stem bark	Dr.S.R.Vikhe
45	Nirmal Triveni Bhanudas	Antibacterial Activity of Alianthus excelsa Stem bark	Dr.S.R.Vikhe
46	Palve Atish Sunil	Antibacterial Activity of Alianthus excelsa Stem bark	Dr.S.R.Vikhe
47	Pande Akshay Digambar	Antibacterial Activity of Alianthus excelsa Stem bark	Dr.S.R.Vikhe
48	Pandhare Aditya Dnyaneshwar	Formulation and Evaluation of Topical Cold cream of Gerbera Jamesonii petals	Dr.A.P.Patel
49	Pathak Kiran Jaidip	Formulation and Evaluation of Topical Cold cream of Gerbera Jamesonii petals	Dr.A.P.Patel
50	Pawar Suchit Jagdish	Formulation and Evaluation of Topical Cold cream of Gerbera Jamesonii petals	Dr.A.P.Patel
51	Phalke Vishal Balasaheb	Formulation and Evaluation of Topical Cold cream of Gerbera Jamesonii petals	Dr.A.P.Patel



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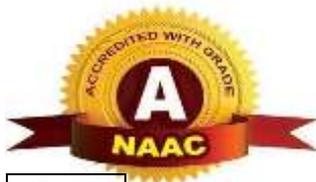
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52	Rajput Priyanka Santaram	Formulation and Evaluation of Topical Cold cream of Gerbera Jamesonii petals	Dr.A.P.Patel
53	Rode Akshata Rajendra	Formulation of Herbal Ointment from Tribulus temisteris leaves	Mr.D.N.Vikhe
54	Sadaphal Omkar Balasaheb	Formulation of Herbal Ointment from Tribulus temisteris leaves	Mr.D.N.Vikhe
55	Sahane Pratiksha Anil	Formulation of Herbal Ointment from Tribulus temisteris leaves	Mr.D.N.Vikhe
56	Salunke Shubham Manesh	Formulation of Herbal Ointment from Tribulus temisteris leaves	Mr.D.N.Vikhe
57	Sapte Vikas Ashok	Formulation of Herbal Ointment from Tribulus temisteris leaves	Mr.D.N.Vikhe
58	Shaikh Saherish Ansar	Formulation and Evaluation of probiotic kulfi	DR.S.B.Bhawar
59	Shejul Dipak Dattatray	Formulation and Evaluation of probiotic kulfi	DR.S.B.Bhawar
60	Shinde Dipali Bapurao	Formulation and Evaluation of probiotic kulfi	DR.S.B.Bhawar
61	Tambe Bhavana Ramrao	Formulation and Evaluation of probiotic kulfi	DR.S.B.Bhawar
62	Tamboli Muhasib Anwar	Formulation and Evaluation of Herbaedible gummy of caralluma fimbriata for weight loss.	Dr. S.B.Dighe
63	Tarate Aniket Ashok	Formulation and Evaluation of Herbaedible gummy of caralluma fimbriata for weight loss.	Dr. S.B.Dighe
64	Tathe Chetan Gajanan	A case report on materiovigilance of Hearing Aid	Ms.R.D.Ghogare
65	Thorat Kaushal Arjun	A case report on materiovigilance of Hearing Aid	Ms.R.D.Ghogare
66	Tribhuvan Prachi Sahebrao	Drug Utilization Review in Antibiotics	DR. V.V.Bhone



Bhew

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67	Tupe Sakshi Gajanan	Drug Utilization Review in Antibiotics	DR. V.V.Bhone
68	Vidhate Gitanjali Rajaram	Drug Utilization Review in NSAIDS	Dr.Gaurav Damre
69	Vikhe Anushka Dilip	Drug Utilization Review in NSAIDS	Dr.Gaurav Damre
70	Vikhe Sarika Laxman	A case report on materiovigilance of Hearing Aid	Ms.R.D.Ghogare
71	Wani Saiprasad Vasant	A case report on materiovigilance of Hearing Aid	Ms.R.D.Ghogare
72	Zanjari Vrushali Vijay	Drug Utilization Review in NSAIDS	Dr.Gaurav Damre



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Project evaluation sheet: Research Project 2022-23

Seminar evaluation / assessment 2022-23

Date: 29-05-2023

Name of Internal Examiner: M.Y. M.H. Koinhe
Name of External Examiner: Dr. S.R. Vitke

Sr. no.	Name of students	Topic	External marks				Internal marks		Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)	
1	Kotkar Parvati Santosh	Herbal Fast disintegrating Anthelmintic Tablet.	22	22	44	20	14	09	131
2	Kawade Sakshi Manohar	Herbal Fast disintegrating Anthelmintic tablet	22	22	44	21	13	09	131
3	Kardile Vaishnavi Chhagan	Herbal fast disintegrating Anthelmintic tablet	22	23	45	21	14	10	135
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(Signature)

Sign of Internal Examiner
(M.Y. M.H. Koinhe)

(Signature)

Sign of External Examiner
(Dr. S.R. Vitke)



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OF PHARMACY
LONI

Project evaluation sheet: Research Project 2022-23

Seminar evaluation / assessment 2022-23

Date: 29-05-2023

Name of Internal Examiner: Mr. M.H. Koihe

Name of External Examiner: Dr. S.R. Vitke

Sr. no.	Name of students	Topic	External marks				Internal marks		Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)	
1	Kotkar Praatik Santosh	Herbal Fast disintegrating Anthelmintic Tablet.	22	22	44	20	14	09	131
2	Kawade Sakshi Manohar	Herbal Fast disintegrating Anthelmintic tablet	22	22	44	21	13	09	131
3	Karandile Vaishnavi Chhagan	Herbal fast disintegrating Anthelmintic tablet	22	23	45	21	14	10	135
4									
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Sign of Internal Examiner

(Mr. M. H. Koihe)

Sign of External Examiner

(Dr. S.R. Vitke)



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Project evaluation sheet:

Seminar evaluation / assessment 2022-23

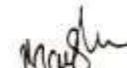
Date: 31/01/2023

Name of Internal Examiner: Mrs K. V. Dhamot

Name of External Examiner: Mrs. Sonawane M.D.

Sr. no.	Name of students	Topic	External marks				Internal marks		Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)	
1									
2	Poutik Vijay Malvade	Formulation & Evaluation of Meloxicam Ointment	22	23	45	22	13	09	134
3	Prasad Jagdish muntode	efficacy and safety of meloxicam for topical pain management	21	22	45	22	12	08	130
4	Pratiksha Sarvottam Mule.	Formulation & evaluation of polyherbal soap.	22	23	45	21	12	08	131
5									


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Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 31/05/2023

Name of Internal Examiner: M.B. K.V. Dhamok

Name of External Examiner: Mrs. Manisha Sonawane

Sr. no.	Name of students	Topic	External marks				Internal marks		Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)	
1	Londge Kajal Rajendra	The phytochemical screening & pharmacognostic study of A. Aspera	21	22	44	23	10	08	130
2	Lokhande Rutuja Rajendra	The phytochemical screening & pharmacognostic study of A. Aspera	21	22	45	22	11	08	129
3	Mahashabde Vaishnavi Raju	The phytochemical screening & pharmacognostic study of A. Aspera	21	22	46	22	11	08	130
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Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 30/05/2023

Name of External Examiner: Dr. M. S. Bhosale,

Name of Internal Examiner: Dr. R. J. Bhor,

Sr. no.	Name of students	Topic	External marks				Internal marks			Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)		
1	Shriyanti Papat Bungat	Synthesis, characterization & in vitro anti bacterial activity of 2-chloro-N-2-chloro-phenyl benzamide	21	21	45	22	13	08	130	
2	Omnesghri Bhousahab Bhagat	Synthesis, characterization & in vitro anti bacterial activity of 2-chloro-N-2-chloro-phenyl benzamide derivatives	21	22	45	21	13	09	131	
3										
4										
5										

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30/05/2023
Sign of External Examiner
Dr. M. S. Bhosale,

[Signature]
Sign of Internal Examiner
Dr. R. J. Bhor,



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Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 24/05/2023

Name of Internal Examiner: Dr. M. S. Bhosale.

Name of External Examiner: Dr. R. J. Bhor

Sr. no.	Name of students	Topic	External marks			Internal marks		Total (150 M)	
			Methodology adopted (25M)	Presentation of work (25M)	Communication skills & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)		Student Teacher Interactions (10M)
1	Chavan Sayli (Ramesh)	The laboratory waste management in pharmacy field	23	22	45	22	12	08	132
2	Chavan Vaishnavi Vishnu	The laboratory waste management in pharmacy field	23	19	39	22	10	07	120
3	Gaudekar Sanket S.	The laboratory waste management in pharmacy field	23	22	45	22	12	08	132
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(Signature)
Sign of Internal Examiner

(Signature)
Sign of External Examiner

Dr. M. S. Bhosale,
Dr. R. J. Bhor.



Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Name of Internal Examiner: Ms. Tejal S. Nirmal

Date: 31/05/23

Name of External Examiner: Ms. Pooja S. Gawade

Sr. no.	Name of students	Topic	External marks				Internal marks			Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)		
1	Jadhav manisha subhash.	formulation and development & evaluation of herbal lip balm.	23	23	47	23	13	09	138	
2	Jagtap Anurag Balasabeb	formulation and evaluation of herbal lip balm.	22	22	40	20	12	08	124	
3	Tejarkar Abhijit Sanjay.	formulation and evaluation of herbal lip balm.	22	23	43	21	12	08	129	
4										
5										

Tejal
31/5/23

Sign of Internal Examiner

Pooja

Sign of External Examiner



Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 29/05/2023

Name of Internal Examiner: Mrs. S. D. Major

Name of External Examiner: Mr. Amol S. Dijke

Sr. no.	Name of students	Topic	External marks				Internal marks			Total (150 M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)		
1	Borade Shubhangi Shilpa	A pharmacognostic approach towards anti-infective and anti-inflammatory herbal emulgel formulation of <i>Thyrua occidentalis</i> Piper betle	25	24	48	24	14	09	142	
2	Chate Shivanya Dilip	A pharmacognostic approach towards anti-inflammatory and anti-inflammatory herbal emulgel formulation of <i>Thyrua occidentalis</i> and Piper betle	20	19	45	20	12	07	123	
3	Deot Doolake Pranali	a pharmacognostic approach towards anti-infective and anti-inflammatory herbal emulgel formulation of <i>Thyrua occidentalis</i>	17	16	41	18	11	07	110	
4										
5										

Mrs. S. D. Major

Sign of Internal Examiner

Mr. Amol S. Dijke

Sign of External Examiner

Model no: 18 PV

(VIIIth) Evaluation 2022-23



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Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 30/05/2023

Name of Internal Examiner: Ms. Rajashree D. Ghogare

Name of External Examiner: Dr. Sanjay B. Bhawar

Sr. no.	Name of students	Topic	External marks				Internal marks		Total (15+M)
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)	Student Teacher Interactions (10M)	
1	Tatne Chetan Gajanan	A case Report on monitoring of Hearing aid	22	23	45	24	14	09	138
2	Threat Koushik Ajeet	A case Report on monitoring of Hearing Aid	22	24	46	24	14	09	139
3	Vikhe Sanika Laxman	A case Report on monitoring of Hearing aids.	22	23	45	23	14	09	136
4	Wani Saiprasad Vasant	A Case Report on monitoring of hearing Aids.	22	23	45	23	13	09	135
5									

Sign of Internal Examiner
(R. D. Ghogare)

Sign of External Examiner



Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 20/05/2023

Name of Internal Examiner: Dr. Sanjay B. Bhawar

Name of External Examiner: Ms. R. D. Ghogare

Sr. no.	Name of students	Topic	External marks			Internal marks		Total (150 M)	
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)		Student Teacher Interactions (10M)
1	Shaikh Saherish Anis q	Formulation & Evaluation of Probiotic Kulti	23	23	48	23	15	10	142
2	Shejul dipals dattatray	Formulation & Evaluation of Probiotic Kulti	23	23	47	23	14	10	140
3	Shinde Dipali Bapurao	Formulation & Evaluation of Probiotic Kulti	23	22	45	23	13	9	135
4	Tambe Bhavana Ramrao	Formulation & Evaluation of Probiotic Kulti	23	22	46	23	14	9	137
5									

Sign of Internal Examiner

Sign of External Examiner
(Ghogare R.D)



Project evaluation sheet:

Seminar evaluation / assessment 2022-23

Date: 20/05/2023

Name of Internal Examiner: **Dr. Dighe Sanjay B.**

Name of External Examiner: **S. B. Bhowar**

Sr. no.	Name of students	Topic	External marks			Internal marks		Total (150 M)	
			Methodology adopted (25M)	Presentation of work (25M)	Communication skill & soft skill development (50M)	Outcome (25M)	Practical work & Attendance (15)		Student Teacher Interactions (10M)
1	Tamboli Muhasib Anwar.	Formulation and evaluation of herbal edible gummy of <i>Caralluma fimbriata</i> for weight loss	22	22	42	22	12	08	128
2	Tatate Aniket Ashok	Formulation and evaluation of herbal edible gummy of <i>Caralluma fimbriata</i> for weight loss	22	22	38	20	10	08	120
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Seminars/Webinars/Training/ Workshops: June 2022-May 2023

Sr. No.	Activities / Event Name	Date /Day	Name of company with Address	Name of experts	Stack holder (student participate) Branch, Year,	No of Students Participated	Outcome of Event
1	“Webinar on Quality by Design in Pharmaceutical Industry.”	23.08.2022	K. B. Inst. of Ph E R, Gandhinagar	Dr. Punit Parejiya,	T.Y & Final year B.Pharm	UG-100	Students learn about the basics of QBD.
2	“Webinar on GPAT and NIPER preparation 2023”	27.08.2022	Academy of NIPER Aspirants (ANA).	Dr.Machhindra Bochare, CEO & Founder,	T.Y & Final year B.Pharm	UG-117	“students should learn about various Strategy for GPAT & NIPER Preparation”
3	“Webinar on Nanotechnology tools in pharmaceutical R&D”.	28.08.2022	WeInnovate Biosolutions Pvt.Ltd, Pune.	Dr. Sandeep J. Sonawane,	T.Y & Final year B.Pharm/ M.Pharm	UG & PG - 100	Students should understand the need of nanotechnology tools in research.
4	“Workshop on GPAT and NIPER preparation 2023”	03.09.2022	MET institute of Pharmacy, Nashik.	Mr. Pratap Pawar,	T.Y & Final year B.Pharm	UG-108	Students should understand the tips and tricks to solve GPAT & NIPER Paper.



5	“One day workshop on Medical, Scientific and Regulatory Writing”	08.09.2022	CliniTech Support, Pune.	Mrs. Smita Thube	T.Y and Final Year.B.Pharm/M.Pharm	UG & PG-156	Students should learn about basics of medical, scientific and regulatory writing.
6	Career guidance seminar on recent trends	07.09.2022	Avodha Edutech	Mr.Nikhil Nagawanshi	T.Y and Final Year.B.Pharm	UG-104	Students should aware about the recent job opportunities in market.
7	Webinar on Importance of ready training in clinical research and pharmacovigilance.	10.09.2022	Clini India, Pune	Mrs.Diksha Sharma	T.Y and Final Year.B.Pharm/M.Pharm	UG- 100	Students should learn about basics of clinical research and pharmacovigilance.
8	“Seminar on career guidance GPAT preparation and soft skill development”	12.09.2022	GPAT discussion centre Pvt. Ltd	Peeyush Jaiswal,	T.Y and Final Year.B.Pharm	UG-81	Students should learn about various how to prepare for GPAT & NIPER 2023.
9.	“Webinar on Clinical data management.”	02.10.2022	IQVIA, Banglore.	Mr.Rambabu Bittu,	S.Y, T.Y and Final Year.B.Pharm And M.Pharm	UG/PG-95	Students should aware about basics of clinical data management.
10	“Career webinar on Clinical Data Analytics”	11.11.2022	KITE-Ai Technologies Pvt.Ltd.,Pune	Mr.Peyush Rajput	Final Year.B.Pharm And M.Pharm	UG-60	Students should aware about basics of clinical data analysis.



11	10 days workshop on "skill development and soft skill training"	06.10.2022to 17.10.2022	GTT foundation, Pune.	Ms. Ankita Joshi,	Final Year.B.Pharm	UG-70	Students should learn about basic things of soft skill and skill development.
12	"Importance Of Interviews Techniques And Resume Writing For The Freshers"	16.11.2022	CLINI INDIA	Ms. Nikita Jogewar	Final Year B.Pharm / M.Pharm	UG& PG-120	Students should learn about how to face interview and resume writing.
13	Webinar on " Aspects of IPR from Pharmaceutical Perspective"	26.11.2022	Bosum IP	Mr. Swapnil Ghorpade	B.Pharm/ M.Pharm students	UG & PG-100	Students should learn various aspects of IPR from pharmaceutical perspective.
14	Seminar of Financial Wellness management	16.12.2022	Excellence Global Skills	Mr. Sachin Rane	B.Pharm/ M.Pharm	UG-& PG- 102	Creating awareness in students regarding financial wellness management.
15	Seminar on Patents, Innovations and Pharmaceutical Industry	27.01.2023	IRA consultancy & Research Organization	Dr.Abhay Gandhi	B.Pharm/ M.Pharm	UG-& PG- 118	Students should learn about various aspects of patents, Innovations & its Imp in P'ceutical Industry



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16	One Day workshop on GPAT & NIPER Preparation 2023	29.01.2023	Gov. College of Pharmacy	Dr Nazma Inamdar	Third & Final Year B.Pharm	UG-108	Students should understand the tips and tricks to solve GPAT & NIPER Paper.
17	Seminar on embedding research culture	01.02.2023	Sandip University	Dr.Ramdas Dolas	Final Year B.Pharm/ M.Pharm	UG-& PG- 97	Students should learn about various aspects of research.
18	“Webinar on Clinical Research, Pharmacovigilance and Clinical Data Management”	15.02.2023	Dysmech Clinical Services, Pune	Ms. Manjusha tribhuvan	Final Year B.Pharm/ M.Pharm	UG-& PG- 215	Students should learn about basics of clinical research and pharmacovigilance.



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Student Participation in Co-curricular and Extra-curricular Activities.

Sr. No	Name of the Activity	Date	Organized By
1.	A Workshop on Medical Scientific and Regulatory Writing	13/9/2022	Pravara Rural College of Pharmacy Loni
2.	Pravara Science Fiesta 2022	21/09/2022	Padmashri Vikhe Patil College Of Arts, Science & Commerce, Loni kd
3.	Avishkar-2022	13/9/2022	PRES's ,Pravara Rural Colleges of Pharmacy, Loni
4.	A National CIIA-2 innovation Exhibition	1-3/2/2023	MARSHALL Nehru planetarium, worli
5.	Annual Cultural Gathering "Pharmotsav 2K23"	17/03/2023 and 18/03/2023	College Campus
6.	Cultural Day 2k23	12-16/03/2023	Seminar Hall Pravara Rural College of Pharmacy Loni
7.	Farewell Party 2023.	24/05/2023	Seminar Hall Pravara Rural College of Pharmacy Loni
8.	Training Session on "employability skill" under "lifeskill" program organized by rubicon	20/9/2022	A/P Rahata Navanathnagar Tal- Rahata Dist-Ahamadnagar
9.	One day workshop on Medical Scientific and Regulatory Writing	8/9/2022	IQAC, Research Development Cell and Innovation and Incubation cell of PRCOP Loni
10.	A Conference on Recent innovation A holistic integrated Approach to Pharmaceutical science	23-24/12/2022	Gokhale. Education society , Nashik
11.	A Workshop on "Novel Approaches To Drug Design", organized by Pravara Rural College of Pharmacy, Loni	14/10/2022	Pravara Rural College of Pharmacy, Loni
12.	Healthcare Training at Atos Prayas Foundation	6-13/10/2022	Healthcare Training at Atos Prayas Foundation
13.	A Seminar on Healthcare Training at Atos Prayas Foundation	29-30/10/2022	Arts, commerce, science and computer science college ,Ashvi kd



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14.	An International Conference on Emerging trends in pharmaceutical -care in digital era	27/02/2023	Modern College of Pharmacy,Nigdi,Pune
15.	State level poster presentation competition	28/02/2023	Shantiniketan College Of Pharmacy,Dhotre,Tal - Rahata,Dist- Ahmednagar
16.	International Conference on clinical research	13/02/2023	Dr vitthalrao vikhe patil foundation college of pharmacy vilad ghat ahemednagar
17.	A National Conference on AMrut-PHARMATHON Searching innovative mind level research competition 2023	17/03/2023	Amrutvahini college of pharmacy
18.	Application of artificial intelligence in Pharmaceutical industry and Drug discovery.	23-24/4/2023	Pravara group of pharmacy institutions, Loni.
19.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical Science"	23-24/9/2022	Gokhale Education Society's, Sir Dr. M. S. Gosavi College of Pharmaceutical Education and Research, Nashik-422005
20.	An International Conference on Recent Innovations a holistic and integrated approach to Pharmaceutical Science	30-31/3/2023	SRES sanjivani college of pharmaceutical education and research, kopargaon