

INDEX

Criteria No: 2 Metric

no: 2.2.1

File name (QlM) 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
7.	Distribution of Mentor : Mentee
8.	Mentor Guidelines and Code of Conduct
9.	Mentor Booklet
	Details of special programs for Advanced learners
10.	Competitive exam guidance
11.	Appreciation Advanced Learner
12.	Mini Projects
13.	Expert Lectures/ Webinars/ Seminars

ASMINISTRA SENTINGS OF SENTING

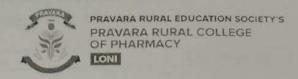
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14. Co – Curricular & Extra- curricular



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Policy for identifiction of slow and advanced learner

- 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.



Principal

ravara D Chermaci



SECOND SESSIONAL EXAMINATION MARK LIST 2022-23

Class-Second Year B. Pharm (2019 Pattern)

Semester-III

Subject-Physical Pharmaceutics I

Theory/ Practical

Total No. of Student	Total No. of Student		Total No. of S	Student	Roll No. of Absent		
Appeared	Present		Absen	t	Students		
66	T	P	T	P	T	P	
	66	66	00	00	00	00	

Roll No.	Name of Students	7.	Theory			P	ractic	al	
		Sessional 30 M	Converted to 15 M	Cont. Assignm ent 10M	Total	Sessio nal 40 M	Con verte d to 10 M	Cont. Assign ment 5M	Total
1.	Apsunde Gayatri Sahebrao	17	9	8	17	30	8	4	12
2.	Argade Siddhesh Balasaheb	15	8	8	16	30	8	4	12
3.	Bangar Viraj Bhagwat	25	13	8	21	34	9	4	13
4.	Bankar Rohit Dadabhau	23	12	8	20	34	9	4	13
5.	Bawake Pradnya Dnyaneshwar	28	14	8	22	36	9	4	13
6.	Bhosale Shainesh Ganpat	19	10	8	18	25	7	4	11
7.	Bhusal Ruchita Ashok	18	9	8	17	29	8	4	12
8.	Chate Shivprasad Dilip	20	10	8	18	28	7	4	11
9.	Chavhan Shivani Ganesh	19	10	8	18	33	9	4	13
10.	Cholke Dhanashri Sanjay	18	9	8	17	30	8	4	12
11.	Darunte Pratiksha Uddhav	24	12	8	20	35	9	4	13
12.	Deokar Shubham Dinkar	23	12	8	20	29	8	4	12
13.	Dhanapune Pavan Subhash	16	8	8	16	29	8	4	12
14.	Dige Ajay Ganesh	21	11	8	19	31	8	4	12
15.	Dighe Mayuri Rajendra	24	12	8	20	34	9	4	13
16.	Dighe Rajashree Gangadhar	22	11	8	19	35	9	4	13
17.	Dumbare Swamini Gorakshnath	29	15	8	23	36	9	4	13

COLLEGE OF ATTAGAMOLY

Mund

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18.	Gadhave Aakanksha Sunil	18	9	8	17	30	8	4	12
19.	Game Prajwal Sandeep	24	12	8	20	35	9	4	13
20.	Ghogare Prajwal Vijendra	25	13	8	21	34	9	4	13
21.	Gholve Gayatri Gunwant	27	14	8	22	35	9	4	13
22.	Gondkar Tejas Sandeep	17	9	8	17	35	9	4	13
23.	Gorde Mahesh Annasaheb	6	3	8	11	28	7	4	11
24.	Gore Aarti Somnath	29	15	8	23	37	10	4	14
25.	Gulave Deep Prakash	17	9	8	17	31	8	4	12
26.	Jadhav Balaji Suresh	15	8	8	16	30	8	4	12
27.	Jangale Mayuri Navnath	22	11	8	19	29	8	4	12
28.	Jawale Akshada Ashok	25	13	8	21	34	9	4	13
29.	Jondhale Nikita Machhindra	24	12	8	20	36	9	4	13
30.	Jondhale Tejal Ankush	28	14	8	22	35	9	4	13
31.	Kale Shraddha Pralhad	26	13	8	21	34	9	4	13
32.	Kamble Rutuja Shashikant	27	14	8	22	35	9	4	13
33.	Karande Pradip Balshiram	9	5	8	13	27	7	4	11
34.	Karle Swapnali Sanjay	26	13	8	21	30	8	4	12
35.	Kasar Harshal Raosaheb	25	13	8	21	34	9	4	13
36.	Kharde Shekhar Namdeo	22	11	8	19	33	9	4	13
37.	Kothawale Akshay Ambadas	19	10	8	18	28	7	4	11
38.	Kumavat Nandini Vitthal	29	15	8	23	37	10	4	14
39.	Lahare Smita Sandeepkumar	22	11	8	19	34	9	4	13
40.	Mandhare Gurudeo	23	12	8	20	35	9	4	13
41.	Mare Tejaswini Vasant	24	12	8	20	36	9	4	13
42.	Mirajgave Swapnil Sanjay	24	12	8	20	34	9	4	13
43.	Mulay Sakshi Uttam	27	14	8	22	36	9	4	13
44.	Nale Rutuja Abasaheb	27	14	8	22	34	9	4	13
45.	Nangare Vinayak Baban	25	13	8	21	31	8	4	12
46.	Nehepatil Kartik Ramesh	28	14	8	22	37	10	4	14
47.	Nikumbh Asmita Manoj	29	15	8	23	37	10	4	14
48.	Pardeshi Deven Pramod	17	9	8	17	32	8	4	12
49.	Pawar Anjali Mukund	24	12	8	20	35	9	4	13
50.	Sable Shreya Kakasaheb	24	12	8	20	36	9	4	13
51.	Sathe Sakshi Khanderao	14	7	8	15	27	7	4	11
52.	Satpute Uday Anil	21	11	8	19	28	7	4	11
53.	Sayyad Shifa Inayat	22	11	8	19	32	8	4	12

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~ ~ C1 ·		21	11	8	19	33	8	4	12
55. Shin	de Nayan Pandurang	26	13	8	21	35	9	4	13
56. Shin	de Rutuja Vilas	27	14	8	22	35	9	4	13
57. Som	vanshi Trupti Rajendra	28	14	8	22	34	9	4	13
58. Sona	awane Ketan Laxman	21	11	8	19	28	7	4	11
59. Soni	Gauri Shivdas	26	13	8	21	28	7	4	11
60. Sura	wase Neha Anil	27	14	8	22	32	8	4	12
61. Teka	ade Shraddha Santosh	28	14	8	22	33	9	4	13
62. Varp	oe Tanmay Rajendra	7	4	8	12	27	7	4	11
63. Vikh	ne Bhagyashri Nachiket	21	11	8	19	28	7	4	11
64. Vikh	ne Ritesh Dilip	10	5	8	13	24	6	4	10
65. Vikh	ne Vaishnavi Parashuram	17	9	8	17	25	7	4	11
66. Wad	le Saurabh Sanjay	29	15	8	23	33	9	4	13

67	ASAWALE VRUSHALI KISAN	27	14	8	22	32	8	4	12
68	BACHKAR PRAGATI ASHOK	21	11	8	19	32	8	4	12
69	DIGHE KAJAL MANIK	25	13	8	21	33	9	4	13
70	DIGHE RUTIK SHARAD	8	4	8	12	30	8	4	12
71	GAIKWAD URMILA SURYAJI	27	14	8	22	31	8	4	12
72	NIBE VAISHNAVI SOPAN	27	14	8	22	32	8	4	12
73	PANSARE AKANKSHA DATTATRAYA	27	14	8	22	34	9	4	13
74	SATWADHAR MANIK PARMESHWAR	27	14	8	22	28	7	4	11
75	SHINDE POOJA DILIP	27	14	8	22	30	8	4	12
76	VIKHE ATHARVA KIRAN	8	4	8	12	28	7	4	11

COLEGE OF ANALOGUES OF ANALOGUE

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77	WAKCHAURE ABHISHEK	25	13	8	21	30	8	4	12
	BABASAHEB								

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Pravara Rural College of Pharmacy, Loni B. Pharmacy

Remedial Classes time table (2021-22)

Term I Odd Semester

w.e.f. 16.10.2021 (Saturday)

TIME		DAY : EVERY S	SATURDAY		
	FIRST YEAR	SECOND YEAR	THIRD YEAR	FINAL YEAR	
10.00-11.00	PA I/ RKG	PE/ RJB	IP I/ MHK	IP II/ KVD	
11.00-12.00	PIC/ MSB	PMicro/ SDMN	MC II/ SDMG	Pcy Practice/ SBB	
12.00-1.00	CS/ RSJ	PP I/ RBL	PCOG PHY II/ DNV	IMA/ HSB	
		LUNCH BREAK			
2.00-3.00	HAP I/ RDG	POC II/ ASD	PCOL II/ SBD	NDDS/ SSS	
3.00-4.00	Pceu I/ KVD		PJ/ RJB		

Academic I/C

Pravara Rural College of Pharmac Pravaranagar, A/p. Loni- 413 736



Pravara Rural College of Pharmacy, Loni B. Pharmacy

Remedial Classes time table (2021-22)

Term II Even Semester

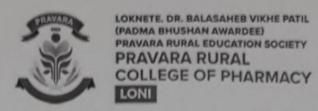
w.e.f. 26.03.2022 (Saturday)

TIME	DAY : EVERY SATURDAY										
	FIRST YEAR	SECOND YEAR	THIRD YEAR	FINAL YEAR							
10.00-11.00	HAP II/ RDG	Pcol I/ SAV	Biotech/ SDMN	SPP/ APP							
11.00-12.00	POC I/ RJB	Pcog Phyto/ SRV	Pcol-III/SBD	BIOSTAT & RM/ RBL							
12.00-1.00	BIOCHEM/ HSB	Medichem I/ ASD	QA/SSS	Pharm Reg Sci/ MHK							
		LUNCH BREAK									
2.00-3.00	PATHO/ SAV	PP II/KVD	MC-III/SDMG	QC & Stand of Herbals/ RSJ							
3.00-4.00	EVS/ SBB	POC-III/ RKG	Biopharm/ MSB								
4.00-5.00	CA/ SKP		HDT/DNV								

Academic I/C

Rural College College

Pravara Rural College of Pharmacy Pravaranagar, Alp. Loni- 413 736



Remedial Class Record-Attendance Sheet

Academic Year: - 2021-2022

Class: - Second Yr. BP Semester: - III Name of Subject: - Physical Pharmoceutics

Subject Teacher: - Dr. R. R. L. Oware.

Rol I No	Name of the Student	16/10/2021	23/10/2021	30/10/2021	611112021	18/11/2021	20/11/102/	47/11/2021	
1.	Aher Harshado S.	P	P	P	P	P	P	P	
2.	Bagle vaishnovi B.	P	P	8	P	P	p	P	
3.	chaven sopna A.	P	P	8	p	p	p	p	
4.	khose voishoovi	P	P	P	P	p	P	P	
5.	sonawane shubbam.	P	P	p	p	P	P	P	
6.	Solve Prohit	P	P	P	p	P	Р	P	

Subject Teacher

Academie Dean

Principal



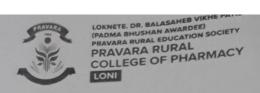
LOKNETE. DR. BALASAHEB VIKHE PATIL (PADMA BHUSHAN AWARDEE)
PRAVARA RURAL EDUCATION SOCIETY
PRAVARA RURAL
COLLEGE OF PHARMACY

Date	LON	LEGE OF PHARMACY
	Topic Taught	Signature of the Subject Incharge
1611012021	Solubility of the drugs	ounject menarge
23/10/2021	solubility of the drugs	
30/10/2021	States and properties of matter	1 aure
6/11/2021	liquid complexes, liquid engalos.	Dawere
13/11/2021	Physicochenical properties of drug	7
20/11/2021	surface and Interfacial Phenomene	21.
17/11/2021	complexation and protein binding.	

Subject Teacher

Academic Dean

Principal



Remedial Class Record

Academic Year: - 2021-2022

Class: - Second yr. B. Phorn. Semester:- III

Name of Subject: - Physical Pharmaceutics I

Subject Teacher: Dr. R. R. Lausen

Sr.No.	Name of The Students	Number of Class Conducted	Previous Class Test/Sessional Marks	Progress/ Marks After remedial coaching
1.	Aner Horshado S.	07	7	11
۷.	Bagle Vaishnari B.	07	6	3
	Chovon sopno A	FO	7	9
4.	Khose voismovi	97	7	12
5.	Sonowane shubban.	67	8	05
6.	Salve prohik	07	7	8
7.				
9.				

Subject In charge



Total No. of Questions: 6]

P2089

SEAT No.:			
[Total	No. of Pages	:	2

[5552]-401 S.Y.B. Pharmacy PHYSICAL PHARMACEUTICS-II

(2015 Pattern) (Semester - IV) (Theory) [Max. Marks:60 Time: 3 Hours/ Instructions to the candidates: 1) All questions are compulsory. 2) Answers to the two sections should be written in separate books. Neat diagrams must be drawn wherever necessary. 3) 4) Figures to the right indicate full marks. SECTION - I Q1) Explain the methods to determine shelf life of a pharmaceutical formulation. [10] 002 Write a note on accelerated stability studies. OR What do you understand by Newton's law of flow? Describe various types of CO1 flow: [12] Q2) Attempt any four of the following: Illustrate applications of rheology in suspension. CO4 COI Explain yield value in plastic flow? C04 b) What is Langmuir adsorption isotherm? CO2 Explain surface tension. How can you measure it? c) COI d) Explain the HLB scale. Justify: first order reaction is independent on initial concentration of co3 e) f) 03 reactant. What do you understand by reversible reactions? 181 Q3) Write notes on any two of the following: Explain the concept of thixotropy and state its application in pharmacy. CO 4 a) Surface active agents. c01 b) Kraft and cloud point. C03 c) Order and molecularity. d) P.T.O.



SECTION - II

Q4) Define colloids. What are its different types? Compare the properties of different types of colloids.

[10] CO1, CO2

OR

Enumerate the various derived properties of powder. How can these be determined?

Q5)	Atte	empt any four of the following:	
	a)	Describe: Brownian motion and Gold number. Give its importance in the field of pharmacy.	n co 1, cos
	b)	Explain coulter counter method in detail	

c) Justify factors affecting flow of powders.

d) Briefly describe DLVO theory.

e) Explain method to determine particle size based on sedimentation method. CO2

f) What are protective colloids? What are its applications in pharmacy?

g) Explain assessment of flow properties of powders.

Q6) Write notes on any two of the following:a) Importance of particle size and size distribution.C01

b) Colloidal system with reference to its stability.

c) Method for determining surface area.

d) Electrical double layer.



Total No. of Questions—6]

[Total No. of Printed Pages-3

Seat No.

[5245]-4001

S.Y. B. Pharmacy (Fourth Semester) EXAMINATION, 2017 PHYSICAL PHARMACEUTICS—II (2015 PATTERN)

Time: Three Hours

(c)

Maximum Marks: 60

- N.B. := (i) All questions are compulsory.
 - (ii) Answers to the two sections should be written in separate answer books.
 - Neat diagrams must be drawn wherever necessary.
 - (iv)Figures to the right indicate full marks.

SECTION-I

Explain the difference between surface tension and interfacial tension. 1. Describe the various methods used to measure surface tension and COL interfacial tension. [10]

Or

CO2 Explain the various methods to determine order of reaction.

2. Attempt any four of the following:

[12]

(a) What is the principle behind Ostwald viscometer? COL

- (b) What is the difference between plastic and pseudoplastic flow? What is critical micelle concentration? State its importance.
 - C04

Explain adsorption isotherm. (d)

co4

What is plug flow and how can it be avoided? (e)

COT C04

CO1

- Describe mechanism of hydrolysis as degradation pathway with examples.
- Discuss the effect of temperature on rate of a reaction. (g)

P.T.O.



3. Write notes on any two of the following:	[8]
(a) Viscoelasticity	COI
(b) Bulges and spurs	7A1
(c) Spreading coefficient	COI
(d) Accelerated stability studies.	C03
SECTION-II	
4. Define and give importance of Micromeritics in pharm	acy. CO1
Discuss the effect of the following factors on the flow proper	rties CO1
of powders :	[10]
(a) Particle shape	
(b) Porosity and density	
(c) Moisture, and	
(d) Glidants.	
Enlist methods to improve flow properties of powders.	co1
Or	COT
Discuss the salient features of lyophobic and lyophillic collo	ida Ca (
Describe the various factors which influence their stability.	ius. LO J
stability.	
5. Attempt any four of the following:	[10]
	[12]
(a) State and explain Schulze-Hardy rule.	C04
(b) What is meant by protective colloid? Explain the concept w	with Col
suitable examples.	
(c) Define Angle of repose, Porosity and Granule density.	col
(d) Describe the process of Micellar solubilization. Give	its C01, C04
applications in pharmacy.	
[5245]-4001 2	



- (e) Draw a neat and labelled diagram of Coulter counter apparatus. COL

 In a Coulter counter, electrolyte solution is added in order
 to measure size distribution. Why?
- (f) Explain the concept of Donnan-membrane equilibrium.
- (g) What do you understand by the following terms:
 - (i) Brownian motion
 - (ii) Gold number.
- 6. Write notes on any two of the following: [8]
 - (a) Optical properties of colloids
 - (b) Specific surface and its determination
 - (c) Explain:

col

- (i) Hofmeister series
- (ii) Coacervation.
- (d) Derived properties of powders.



Total	No. of Questions—6] [Total No. of Printed Page 1986]	aran 9
Se		ages—Z
No	[5345]-	4001
	S.Y. B.Pharmacy (IV Sem.) EXAMINATION, 2018 PHYSICAL PHARMACEUTICS—II (2015 PATTERN) : Three Hours Maximum Mark :— (i) All questions are compulsory. (ii) Answers to the two sections should be written in a	
	answer-books. (iii) Neat diagrams must be drawn wherever neces (iv) Figures to the right indicate full marks.	
	SECTION - I	
Q.1	Explain in details surface active agents and add a note on HLB scale.	10 marks
	OR	
	Explain the methods to determine shelf life of a pharmaceutical formulation. Write a note on accelerated stability studies.	co2 co3
Q.2	Attempt any four of the following:	12 marks
a.	Explain the mechanism for oxidation as degradation pathway with examples.	col
b.	Describe collision theory of chemical reaction.	C04
c.	What do you understand by viscoelasticity?	COI
d.	Explain why interfacial tension cannot be measured by capillary rise method.	C01
e.	Sate the importance of critical micelle concentration.	col
f.	Illustrate the applications of thixotrophy in pharmaceutical formulations.	C04
g.	Explain the principle behind Ostwald viscometer.	coi
Q.3.	Write notes on any two of the following:	8 marks
a.	Langmuir adsorption isotherm	C04
b.	DuNouy Ring method	C02
c.	Reversible reactions	CO3
d.	Dilatant flow	COI
		P.T.O.



SECTION - II

Q.4	Define Micromeritics. Enlist different methods used for the determination of particle size and discuss in detail the Andreason Pipette method.	10 marks COI, COL
	OR	
	Differentiate between lyophobic and lyophillic colloids. Discuss the stability of colloids including: a) Schulze-Hardy rule b) Hofmeister series c) Co-acervation	co1,co4
Q.5	Attempt any four of the following:	12 marks
a.	Explain: Protective colloid.	co2
b.	What is meant by "equivalent spherical diameter"? Explain its importance in representing particle size.	
c.	Give Pharmaceutical applications of colloids.	C04
d.	Describe the process of Micellar solubilization. Give its applications in pharmacy.	
e.	Draw a neat and labelled diagram of Coulter counter apparatus. In a Coulter counter, electrolyte solution is added in order to measure size distribution. Why?	CO2
f.	Explain the concept of Donnan-membrane equilibrium.	C04
g.	With suitable examples explain factors affecting flow of powders.	col
Q.6.	Write notes on any two of the following:	8 marks
a.	Optical properties of colloids	cot
b.	a c dita determination	cot
c	B and motion and Gold number	C01
d	. 1 . dies of powders	C01
	(Banaca) - 100 -	



QUESTION BANK

BP 403 T. Physical Pharmaceutics-II

UNIT I: COLLOIDS

Question	Questions	CO	BL
No.		Mapped	
1	What are colloids? Differentiate between colloids and coarse	1	1
	dispersion		
2	Classify Colloids with example of each	1	2
3	State and explain Schulze-Hardy rule.	1	2
4	What is meant by protective colloid? Explain the concept with		2
	suitable examples.		
5	Explain the concept of Donnan-membrane equilibrium and its role	1,4	2
	in pharmacy.		
6	What do you understand by the following terms:	1	1
	i. Brownian motion		
	ii. Gold number.		
7	Explain Optical properties of colloids	1,2	2
8	Explain Kinetic properties of colloids	1,2	2
9	Explain Electrical properties of colloids	1,2	2
10	Define:	1	1
	Hofmeister series		
	Coacervation		
11	Elaborate on electrical properties of colloids and its role in stability	3	3
	of colloids.		



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12	Explain the concept of electrical double layer.	1,2	2
13	Illustrate role of Nernst and Zeta Potential in stability of colloids	3	2
14	Elaborate the steps in purification of colloids	1,2	2
15	Write a note on stabilization of colloids	3	2

UNIT II: RHEOLOGY

Question	Questions	CO	BL
No.		Mapped	
1.	Define the Newtonian and non Newtonian system. Explain	1	1
	Dilantant system with example		
2.	What is Newton's law of flow of fluids?	1	1
3.	What are applications of rheology in pharmaceuticals?	4	1
4.	Compare single point instruments with multipoint instrument for	2	2
	determination of viscosity		
5.	What is the principle behind viscosity measurement by Ostwald	2	1
	viscometer?		
6.	Differentiate between plastic and pseudoplastic flow?	1, 2	2
7.	Note on	1,2,3,4	2
	Viscoelasticity		
	Falling Ball Viscometer		
	Cup and Bob Viscometer		
	Cone and plate Viscometer		
	Bulges and spurs		
8.	Define Thixotrophy and negative thixotrophy	1	1
9.	Explain thixothrophy with its applications in formulation	2,3,4	2
	development		
10.	How thixotrophy is determined?	2	1

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UNIT III: COARSE DISPERSION

Question	Questions	CO	BL
No.		Mapped	
1	Define dispersed system.	1	1
2	Differentiate between flocculated and deflocculated suspension	1	2
3	Explain theories of emulsion	2, 4	2
4	Classify emulsion with suitable example of each.	1	2
5	Describe the stability of emulsions	3	2
6	Describe emulsion formulation by HLB method	4	2
7	What are various factors affecting stability of emulsion?	2, 3	1
8	Write a note on preservation of emulsion	1,4	1

UNIT IV: MICROMERITICS

Question	Questions	CO	BL
1	Define	1	1
	i. Particle diameters-Surface diameter, Volume diameter		
	ii. Particle number		
2	Explain applications of micromerities in pharmacy	4	2
3	Enumerate the various derived properties of powder. How can	2,4	2
	these be determined?		
4	Explain methods to determine particle size determination	2	2
5	Explain Factors affecting flow of powders	3,4	2
6	Define angle of repose, porosity and granule density	1	
7	Explain particle size determination by sedimentation method	2	2

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8	Write the principle of particle size determination by coulter counter method	2	1
9	Explain sieving method for determination of particle size distribution		
10	Describe methods to determine Specific surface area	2	1
11	Write a brief note on adsorption method to determine surface area	2,3	1
12	Distinguish between True density and bulk density	2	2
13	What do you understand by derived and fundamental properties of powder?	1,2	1
14	What are adsorption isotherms? Explain Langmuir and Freundlich isotherms in detail?	1,2	1

UNIT V: DRUG STABILITY

Question	Questions	CO	BL
1	Define the terms	1	1
	i. Order of reaction		
	ii. Molecularity of reaction		
	iii. Complex order reaction		
2	Derive an equation for zero order kinetics	2	2
3	Derive an equation for first order kinetics	2	2
4	Derive an equation for second order kinetics	2	2
5	describe Hydrolysis and oxidation degradation pathways of drug	1	1
	degradation		
6	Why Half life of a zero order reaction is dependent on initial	1	1
	concentration of reactant while that of first order reaction is		
	independent on initial concentration of reactant?		
7	How is the half life for first order reactions calculated?	1	1
8	Distinguish between molecularity and order of reaction.	1	1
9	What is the effect of temperature on rate of reaction?	2	1
10	Describe Arrhenius equation and energy of activation	2	2
11	What are Apparent zero order reaction	1	1
12	Write a note on Accelerated stability studies	3	2
13	Assuming first order reaction justify time required for 99.9% drug	3	3
	decomposition is 3times the time required for completion of 90%		
	drug decomposition.		
14	How order of reaction is determines?	2	1

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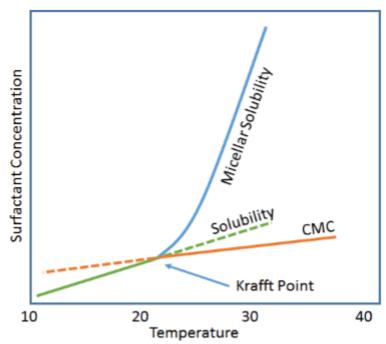


Model Answers:

Ans. 1: Explain: Kraft point and gold number.

KRAFFT POINT, Kt:

- The solubility of a surface active agent depends on the temperature of the system. But adequate concentration of surface active agent is required to form micelles. This relationship is stated by Krafft point.
- ➤ Krafft point is defined as the temperature at which the solubility of the surfactant is equal to the cmc. It is named after German chemist Friedrich Krafft.
- ➤ At Krafft point, the concentration of the surfactant is sufficient to form micelles.
- ➤ In fact, micelles are more soluble in water than the monomers. Thus the solubility shows a sudden increase by several folds. This type of behavior is exhibited by certain nonionic surface active agents. One has to verify the Krafft point and attempts to prepare colloids above this



temperature.

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Figure: Graph of Surfactant concentration Vs Temperature indicating Krafft Point

- ➤ At low temperatures the surfactant is a normal molecule with some sort of solubility curve that would tend to increase as shown in above figure. But surfactants have CMCs which also change with temperature, as shown.
- The point where the two curves cross is the Krafft point. What is the significance of this point? As soon as you have micelles then the "solubility" of the surfactant is defined by micelle formation and, roughly

speaking, you can have large amounts of micellar solubility because adding more surfactant simply creates more micelles. But if you are at a temperature where the solubility is less than the CMC there are no micelles so you cannot have any form of micellar solubility.

➤ Below the Krafft point the solubility of the surfactants is too low for micellization so solubility alone determines the surfactant monomer concentration. As temperature increase the solubility increases until at Krafft Point the CMC is reached. At this temperature a relatively large amount of surfactant can be dispersed in micelles and solubility increases greatly.

GOLD NUMBER

- ➤ Covering up of lyophobic paticles by lyophilic particles is known as its protective action and such colloids are called protective colloids.
- ➤ The protective properties of colloids is expressed in terms of Gold Number.
- ➤ The gold number is defined as the minimum weight in milligrams of a protective colloid (dry weight of dispersed phase) required to prevent a color change from red to violet in 10 ml of gold sol on addition of 1 ml of 10 % solution of sodium chloride.
- ➤ Basically gold sol is a hydrophobic colloid and has a red colour. It is a special type of collide which is known as lyopobic sol which are liquid hating or solvent hating i.e. these sols do not have liquid as solvent. In such sols, both the dispersed phase and dispersion medium is solid only. A gold sol may contain particles of various size composed of several atoms of gold and so it is called as multimolecular sol.

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➤ When an electrolyte like sodium chloride is added, coagulation of colloids is observed indicating the violet color. When protective colloids are added, these stabilize the gold sol and prevent the change to violet color.

Lower the gold number, greater the protective action. For example: bismuth subcarbonate does not dissociate sufficiently in a dispersion. Now, if tragacanth is added, it provides protective action. If bismuth subcarbonate is ionized, then tragacanth (negative charge) reacts with positive ions of bismuth and forms a gel.

Ans. 2: Discuss the concept of DLVO theory along with the energy curve and explain how this theory is applied in stabilizing the colloidal dispersion.

DLVO THEORY (Derjaguin, Landau, Verway and Overbeek Theory):

Lyophobic colloids are thermodynamically unstable and tend to form aggregates. Dispersed particles are highly charged. Stability of the dispersion is explained on the basis of DLVO theory.

- ➤ According to this theory, the distance between two dispersed particles mainly influences particle-particle interactions. Using this theory, one can approximately determine the amount of electrolyte (of a particular valency type) required to precipitate or stabilize a colloid.
- ➤ In a colloidal dispersion, the Brownian motion results in frequent collisions between particles. Such interactions are mainly responsible for the stability of colloids. There are two types of interactions, namely attractions and repulsions.
- ➤ When attractions predominate, the particles adhere after collision and aggregate. When repulsions predominate, the particles rebound after collisions and remain individually dispersed. The potential energy versus interparticle distance for particles in dispersion is given in Figure a.

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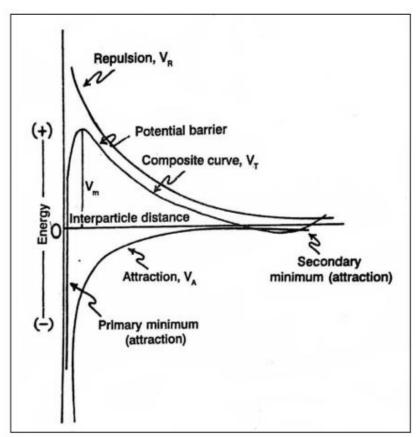


Figure a: Potential energy Versus interparticle distance (in angstroms) for particles in suspension

These are described as follows. The interactions between particles are described as follows:

- ➤ Van der Waals attraction forces: These forces depend mainly on the chemical nature and size of the particle. These forces are London type and cannot be altered readily. The potential energy of attraction is represented by VA (Figure a).
- ➤ Electrostatic repulsive forces: The electrostatic repulsive forces depend mainly on the density, surface charge and thickness of the double layer. These indicate the magnitude of zeta potential. The potential energy representing repulsions is denoted by VR (Figure a).

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➤ Net energy of interaction: An algebraic addition of the above two curves gives the net energy of interaction. The potential energy is represented by VT (Figure a).

The following conclusions may be drawn from the energy curves:

- ➤ Primary minimum (sign of precipitation): When particles are very close to each other, atomic orbitals overlap and penetrate each other. This is indicated by a rapid rise in potential energy. The net result is a stronger attraction which leads to precipitation.
- ➤ Net energy peak (sign of better stability): At intermediate distances, appreciable repulsive forces operate (positive zeta potential energy). This potential barrier keeps the particles in Brownian movement and imparts stability to the dispersion. At this peak, the maximum potential is designated by Vm. The stability of a colloidal system is defined by the height of the maximum in the potential energy curve.
- ➤ This value of Vm is about 10 to 20 kt, which corresponds to a zeta potential of about 50 mV. Such a system is considered kinetically stable. The potential energy barrier must be surmounted, if the colloidal particles approach each other sufficiently close to fall into the deep primary minimum of reversible coagulation.
- ➤ Secondary minimum (sign of aggregation): This is observed when the particles are separated by long distances, about 1000 to 2000 Å (Angstrom). Particles experience attraction forces and form aggregates or coacervates. The presence of a secondary minimum is taken advantageously in the controlled flocculation of a coarse dispersion.
- ➤ In summary, according to DLVO theory, colloidal particles coagulate whenever their kinetic energy is sufficient to surmount the potential energy barrier, Vm. Thus, the coagulation of colloidal particles may be accelerated by two ways:
- (a) By reducing the height of the potential barrier,
- (b) By increasing the kinetic energy of particles

STABILIZING THE COLLOIDAL DISPERSION

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To understand stabilization of the colloidal dispersion it is required to understand sensitization and protective colloidal action

Sensitization

Lyophobic dispersions are unstable in the presence of even small concentration of electrolytes. Effect is due to neutralisation of the charge on the particles.

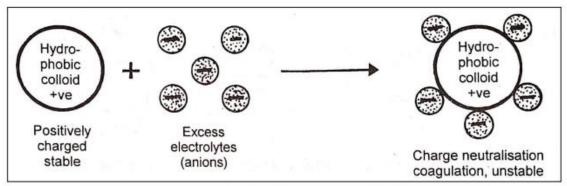


Figure: General interaction of electrolytes with hydrophobic colloids

➤ If a very small amount of hydrophilic colloid is added to a hydrophobic sol, it is sometimes observed that the latter has become more sensitive to precipitation on subsequent addition of electrolytes. This sensitization may be partly due to adsorption of the oppositely charged hydrophilic sols on hydrophobic particles as shown below.

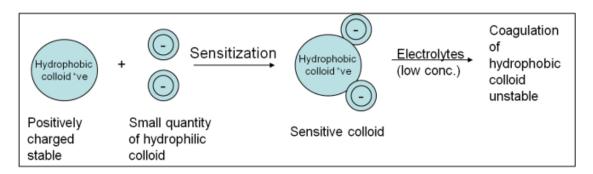


Figure: Sensitization of hydrophobic colloid (Examples of positive colloid)





Protective colloidal action:

When a large amount of hydrophilic colloid carrying opposite charges is added to hydrophobic colloids, these get adsorbed on the hydrophobic particles and form a protective layer around it. This adsorption layer prevents the precipitating ions reaching the sol particle (Figure). Therefore, coagulation is prevented.

Now the entire colloid may behave like a hydrophilic colloid, which is thermodynamically stable. The colloid that helps to stabilize other colloids is called as a protective colloid.

➤ The Phenomenon of protection is defined as a process by which the sol particles are prevented from coagulation induced by an electrolye due to the previous addition of some lyophilic sol.

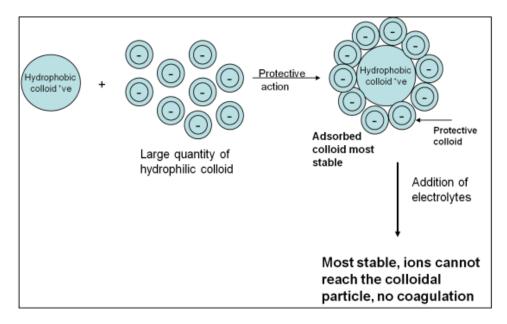


Figure: Protective colloidal action of hydrophilic colloid on hydrophobic colloid surface adsorption





The protective properties of colloids is expressed in terms of Gold Number.

- The gold number is defined as the minimum weight in milligrams of a protective colloid (dry weight of dispersed phase) required to prevent a color change from red to violet in 10 ml of gold sol on addition of 1 ml of 10 % solution of sodium chloride.
- ➤ Basically gold sol is a hydrophobic colloid and has a red colour. When an electrolyte like sodium chloride is added, coagulation of colloids is observed indicating the violet color. When protective colloids are added, these stabilize the gold sol and prevent the change to violet color.

Ans. 3: Discuss different approaches used to achieve flocculation in suspensions.

The flocs do not form hard cakes and redispersion of the sediment is easy. Once the powders are properly wetted and dispersed in a medium then flocculations can be produced gradually by the addition of flocculating agents.

Different approaches are used to achieve flocculation:

- Addition of electrolytes: Most dispersed particles possess a surface charge. The intensity of this charge can be reduced by the addition of agents with an opposite charge (electrolytes). As a result, the zeta potential decreases and particles establish attractive forces between adjacent particles.
- ➤ Addition of Surfactant and Polymers: These are long chain compounds. These substances act by adsorbing a part of their chains on the particle surface and projecting out the remaining part into the medium. This type of bridging promotes the formation of flocs.

Ans. 4: Enlist the physical instability markers of emulsion and discuss any two.

Physical Instability Markers

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- 1. Flocculation
- 2. Creaming
- 3. Coalescence
- 4. Breaking
- 5. Phase Inversion

Flocculation:

In this case, neighboring globules come closer to each other and form colonies in the external phase (Figure

a). This aggregation of globules is not clearly visible. This is probably the initial stage that leads to instability.

The extent of flocculation of globules depends on

- (a) Globule size distribution
- (b) Charge on the globule surface
- (c) Viscosity of the external medium

To Prevent Flocculation:

- ➤ Uniform sized globules prevent flocculation. This can be achieved by proper size reduction process.
- ➤ A charge on the globules exerts repulsive forces with the neighboring globules. This can be achieved by using ionic emulsifying agent, electrolytes etc.
- ➤ If the viscosity of the external medium is increased, the globules become relatively immobile and flocculation can be prevented. This can be obtained by adding viscosity improving agents (bodying agents or thickening) such as hydrocolloids or waxes.

Flocs slowly move either upward or downward leading to creaming. Flocculation should not be confused with creaming. Flocculation is due to the interaction of attractive and repulsive forces, whereas creaming is due to density differences in the two phases.

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Creaming:

Creaming is the concentration of globules at the top or bottom of the emulsion. The floccules move either upward or downward leading to creaming. Creaming may also be observed on account of the movement of individual globules (Figure a). It can be observed by a difference in colour shade of the layers.

It is a reversible process, i.e., cream can be redispersed easily by agitation. This is possible because the oil globules are still surrounded by the protective sheath of the emulsifier. This is a potential step towards complete coalescence of internal phase. Hence, this stage is also considered to be the mark of instability.

In creaming, the drug is not uniformly distributed. This leads to variable dosage. Therefore, the emulsion should be shaken thoroughly before use.

Creaming is of two types.

- ➤ Upward creaming, this is due to the less denser internal phase (Figure b). This is normally observed in o/w emulsions.
- ➤ On the other hand, downward creaming is also possible if the internal phase is heavier. Due to gravitational pull, the globules settle down. This is normally the case in w/o emulsions.

Since creaming process involves the movement of globules in an emulsion, Stokes' law can be applied.

Therefore, creaming is influenced by:

- Globule size
- Viscosity of the dispersion medium
- Difference in the densities of dispersed phase and dispersion medium

Creaming can be reduced / prevented by:

1. Reducing the particle size by homogenisation. Doubling the diameter of oil globules increases the creaming rate by a factor of four.

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- 2. Increasing the viscosity of the external phase by adding the thickening agents such as tragacanth or sodium alginate.
- 3. Reducing the difference in the densities between the dispersed phase and dispersion medium.

Coalescence:

A few globules tend to fuse with each other and form bigger globules (Figure a). In this process, the emulsifier film around the globules is destroyed to a certain extent. This step can be recognised by increased globule size and reduced number of globules. Coalescence is followed by creaming stage.

Coalescence is observed due to:

- ➤ Insufficient amount of the emulsifying agent
- ➤ Altered partitioning of the emulsifying agent
- ➤ Incompatibilities between emulsifying agents

Phase volume ratio represents the relative volume of water to oil in an emulsion. At higher ratio (>74% of oil to water), globules are closely packed, wherein small globules occupy the void spaces between bigger globules. Thus, globules get compressed and become irregular in shape, which leads to fusion of adjacent globules.

Breaking:

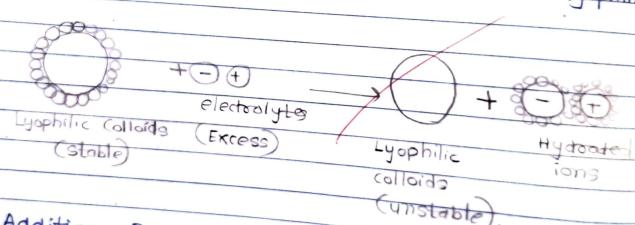
This is indicated by complete separation of oil and aqueous phases (Figure b). It is an irreversible process, i.e., simple mixing fails to resuspend the globules into an uniform emulsion. In breaking, the protective sheath around the globules is completely destroyed.

Phase Inversion:

This involves the change of emulsion type from o/w to w/o or vice versa. When we intend to prepare one type of emulsion say o/w, and if the final emulsion turns out to be w/o, it can be termed as a sign of instability.

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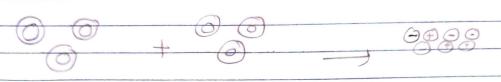
- Q.1 Effect of electoolytes on lyophilic Colloids:
 - (1) Addition of Excess electrolytes:
 - When the electrolytes are added in less quantity the Zeta patential will decrease. This will hinder the coagulation of the pareticles.
 - Lyophilic colloids are stable colloids because they from a solvent sheeth around them.
 - But when excess of electrolytes are added the ions get hydroated due to the presence of excess amount of water of leads to the unstable hypphilic colloids.



- 2 Addition of oppositely charged colloids:
- When the lyophilic colloids, when these are mixed thouses.
- The tyophilic colloids have solvent sheath around them, this prevents them toom combined dispersion.

- These are combined to from flocales by the elector static force of attraction between the opposite charges

Flocaules



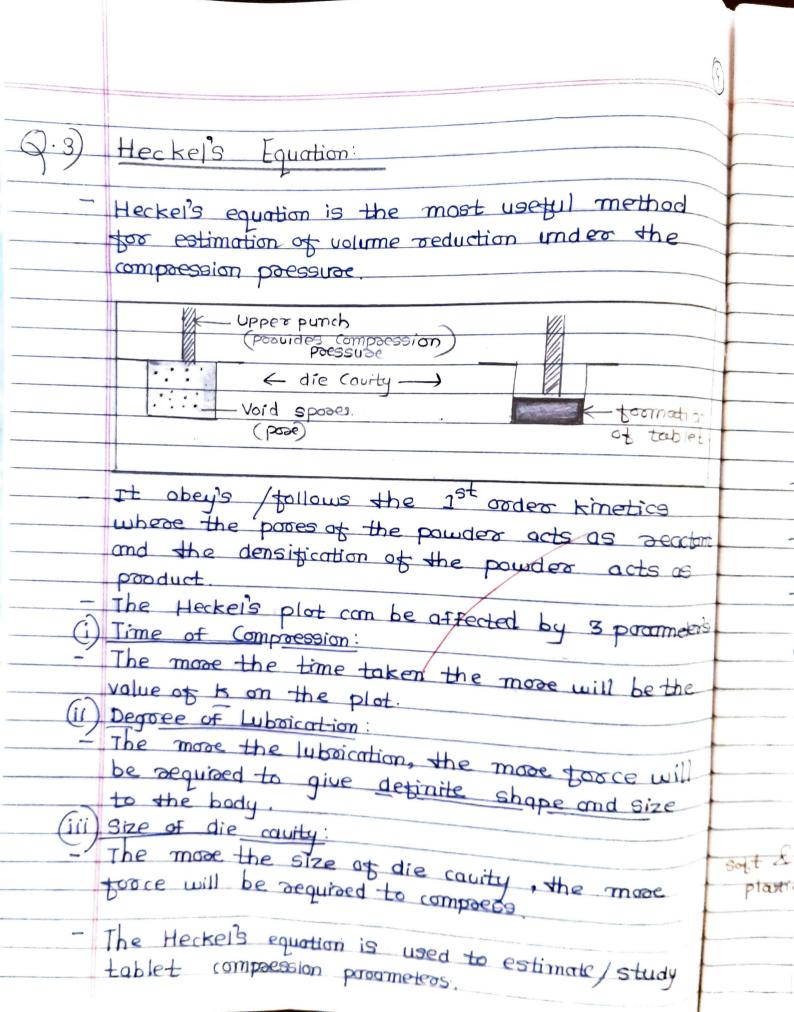
Lyophilic Lyophilic Colloids +ve -ve

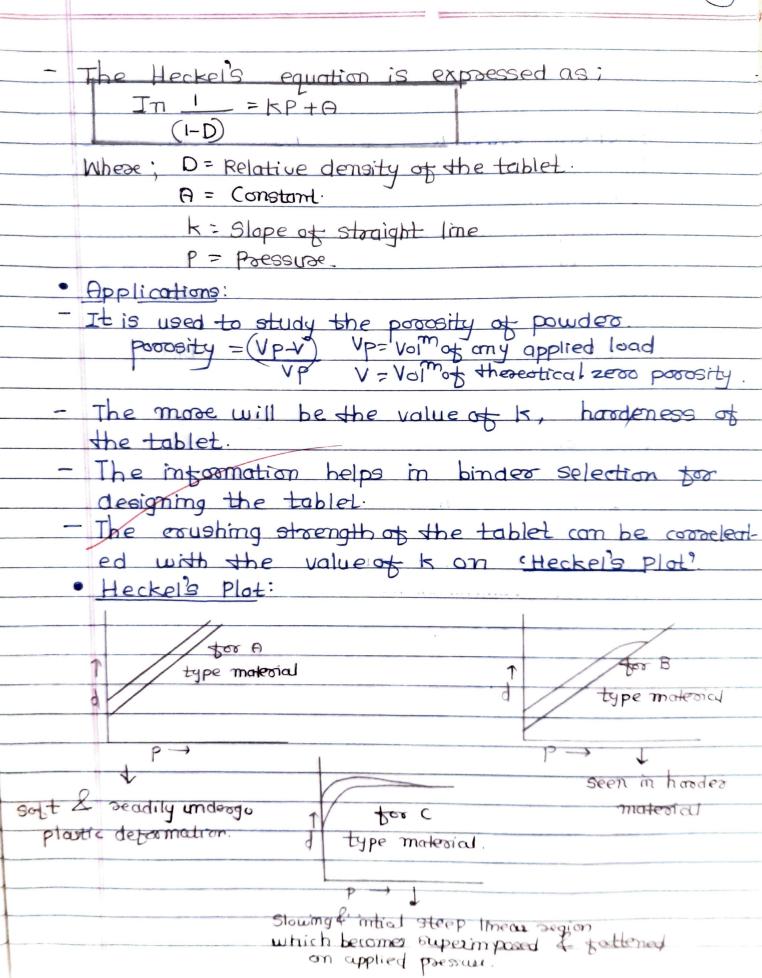
(gelatin) (Acacia)

Q.2 Protective Action:

mg

- The tyophilic colloids are having good solute-solvent interaction i.e. there is good interaction between dispersed phase and dispersion medium.
- These are stable colloids
- The Lyophobic colloids are unstable. Because these is no good interaction between solute and solvent These are chances of coagulation.
- So, in order to increase the stability of the lyaphobic colloids, the lyaphilic colloids are added in excess to lyaphobic colloids.
- Then they tooma protective layer around the particles of lyophobic colloids by adsorbing on its surface.
- This prevents the coagulation of the Lyophobic particles.
- As the entire colloids behave like Lyophilic colloids A make the stystem thermodynamically stable.





	A	
2 7	Plastic detoomation and	Elastic detormation,
9.4		Plastic Detoomation.
	Flastic Determation	
	The material returns to	The material does not returns to its original
	its original shape &	change & size when the
	is removed.	Doce
	- It is reversible.	-It is rooeversible.
-	- Deformation is not -	Detormation is permana.
	poommont	7H. ·
	-Obey's Hook's law.	Does not obey's Hook's
	- Ex: Rubbers, polymers:	-Ex: Plastics.

- Q.5) Optical Properties of the Colloids.
 - Optical properties are studied in order to understand size, shape, staucture and molecular weight of the colloidal particles.
 - Optical possperities;
 - Tyndall Effect
 - Electoun microscopy.
 - Ultra microuscopy.
 - Light Scattering.
 - Turobidity
 - 1 Tymdall Effect: A colloidal solution gives on impression of being homogenous due to the presence of small size dispensed posticles.
 - These particles are not visible to naked eyes
 - The colloidal solution can be differentiated from the true solution on the basis that colloidal particles scatters the light, while true solution does not show
 - This scattering of light by "Colloidal Paroticle" is known as, 'Tyndall Et bect'.
 - True solutes are very small in size that's why they does not scattering of light.

 It is 1st observed by 'Iohn Tyndall'

 - Tyndall observed that when a beam of light w possed through the colloidal soll. the light gets illumimated
 - This is known as 'Tyndall Effect'

6	
(Election microscopy!
_	Used to absence very small particles.
-	Used to get the actual particle picture.
_	We can identity air of
	We can identity size, shape, staucture of the colloidal particles.
_	Electron mi
	Election microscope have very high resolving power
(3	
_	When the home
	Death of light is accord 11-
	colloidal dispersion against a dook background at
	the town of boight spot and the particles in
	the form of boight snot
	dook backgound appears against the
_	The condense !!
_	The condensed lens is place in between. The beam of light will coops the
	The beam of light will cooss the paraticle of hence
-	illuminate the particle the particle of hence
	and we com identity size, shape & stoucture of
	the colloidal proticles. Shape & stoucture of
	Source Condense Collect
	lens Salut
	D G o K
	background
-	J

9.6	Classification based on phases:	the interaction between
	Tyndall Ethect? These are also called as Intrinsic Colloids? These colloids are reversible. Viscosity is preater than dispersion medium. They may carry -	Theomodynamically unstable. They exhibit 'Imadell Estect'. These are also called as 'Extrinsic Calloids'. Trouversible Viscosity is exactly some as that at dispersion medium. They carry tue / - ve charage

(13)

Assignment -(2)

Q.1 Define and derive Pseudo Order Reaction ?

→ 1 The reaction in which one of the reactants

is present in large excess.

Tt shows an order different from the actual order.

The experimental order which is not the actual order then referred to as the pseudo order.

As for elementary reactions molecularity and order are identical so pseudo order reaction may also be called pseudo molecular reactions.

Let us consider a reaction

in this reactant B is present in a large excess

Its rate law can be written as.

rate = K[A][B]

as B in the large excess, its concentration remains practically constant in the course of reaction.

rate = K'[A]

when new rate constant k' = K[B]

Thus actual order of the reaction is second order but in practise it will be 1st order.

So, the reaction is said to have a pseudo 1st order.

Example: Hydrolysis of Sucrose

C12H22O11 + H20 --- C6H12O6 + C6H12O6 Glucose Fructose Sucrose

If a large excess of water is present [H20] is practically constant, So, rate law may be written as

rate = K[C12H22D17[H20]

rate = K[C12H22O11]

The reaction though of second order is experimen tally found to be first order.

Q.2 Define and derive zero order reaction ? -) I This are the reaction where the rate does not vary with increase or decrease in the concentration of reactant.

2) In a zero order reaction rate is independent of the concentration of the reactants.

Let us consider a zero order reaction.

A ---> product Initial conc. a 0

Final conc. a-xe

Rate of reaction =
$$-d[A] = k_0[A]^\circ$$

$$\frac{dx}{dt} = -\frac{d(a-x)}{dt} = k_0(a-x)^\circ = k_0$$

On integration

where, ko = rate constant of zero order reaction unit is concentration per unit time.

In zero order reaction -> The rate constant is equal to the rate of reaction attall concentration.

- Define & derive the first order reaction?

 Define & derive the first order reaction the rate of reaction depend on the concentration of only one reactant.
 - i) Let us consider a first order reaction

Initial a Product

Final a-se se

conc.

$$\frac{dx}{dt} = \frac{dx}{dt} = K[A]$$

$$\frac{dx}{dt} = k[a-x]$$

$$\frac{dx}{dt} = Kdt = 0$$

Integration of expression -

where . I = constant of integration

The constant k may be evaluated by putting t=0 and 20=0

$$I = -In a$$

substituting I in equation o

changing into common log.

k = 2.303 log a

The value of k can be found by putting the value of a and (a-xe) determined experimentally at time interval t

Some times the integration rate law in following form

k = 2.303 log a-2e1 t2-t1 a-2e2

- 04. Define and derive the second order reaction?

 —) i) When the rate of reaction depends in the concentration of reactant two. A & B with each term raised to the first power, the reaction is said to be second order.

The rate law w.r.t. both the reactant is expressed as

 $-d[A] - -d[B] = k \cdot [A][B]$ dt = dt

A & B

æ is the concentration of each
reactant in time t

Integrating the following equation.

$$\frac{dx}{dt} = K_2 (a-xe)^2$$

$$K_{e}dt = \begin{bmatrix} 1 \\ (a-x) \end{bmatrix}$$

$$k_2(t-0) = 1 - 1$$
 $q-x = a-0$

$$K_2 + = 2$$

$$\alpha(\alpha-2)$$

$$K_2 = 1$$

$$\therefore k_2 = \frac{1}{t} \times \frac{2e}{\alpha(a-2e)}$$

eg

ethyl sodium sodium ethyl acetate alcohol

2.
$$2NO_{2}(9)$$
 $\longrightarrow 2NO_{(9)} + O_{(9)}$
Nitrogen Nitric Oxygen dioxide oxide





-	Pravara Rural College of Pharmacy Pravaranagar Distribution of Mentor/Mentee for Academic Year 2021-22				
					T
Sr. No.	Name Of Student	Year	Name Of The Mentor	Total Count	Signature
1	Bhange Sarthak Anil	S.Y.B.Pharm	Dr S B Bhawar	19	
	Bhoknal Mayuri Rajesh	S.Y.B.Pharm			
	Chavan Prithviraj Badrinath	S.Y. M.Pharm			
	Chavan Sapna Ashok	S.Y.B.Pharm			
	Darkunde Rahul	T.Y.B.Pharm			
	Dhodke Pranali	T.Y.B.Pharm			
	Gadekar Sanket	T.Y.B.Pharm			
	Gaikar Sahil Anil	Final B.Pharm			
	Giri Prasad Sanjay	Final B.Pharm			
	Jadhav Rahul Balasaheb	S.Y. M.Pharm			
	Jahagirdar Shubham Narendra	Final B.Pharm			
	Apsunde Gayatri Sahebrao	F.Y.Bpharm			
	Argade Siddhesh Balasaheb	F.Y.Bpharm			
	Bangar Viraj Bhagwat	F.Y.Bpharm	7		
	Bankar Rohit Dadabhau	F.Y.Bpharm			
	Bawake Pradnya Dnyaneshwar	F.Y.Bpharm			
	Chate Shivprasad Dilip	F.Y.Bpharm			
	Aher Prajakta Ashok	F.Y.M.Pharm			
	Atre Omkar Bapusaheb	F.Y.M.Pharm			
2	Dighe Vishal Bhausaheb	S.Y.B.Pharm	Dr. S. B Dighe	19	
	Gadade Pooja Nandakumar	S.Y.B.Pharm			
	Gadekar Aniket Chandrakant	S.Y.B.Pharm			
	Haylij Aditya	T.Y.B.Pharm			
	Jadhav Manisha	T.Y.B.Pharm			
	Jagtap Anurag	T.Y.B.Pharm			
	Jumde Harsha Sudhakar	S.Y. M.Pharm			
	Kale Disha Subhash	S.Y. M.Pharm			
	Kute Nikhil Shivaji	Final B.Pharm			
	Londhe Ashish Kaduba	Final B.Pharm			
	Mane Rushikesh Tarachand	Final B.Pharm			
	Gondkar Tejas Sandeep	F.Y.Bpharm	1		
	Gorde Mahesh Annasaheb	F.Y.Bpharm	1		
	Gore Aarti Somnath	F.Y.Bpharm	7		
	Gulave Deep Prakash	F.Y.Bpharm	1		
	Jadhav Balaji Suresh	F.Y.Bpharm	7		
	Jangale Mayuri Navnath	F.Y.Bpharm	-		





	Ghorpade Asmita Bhausaheb	F.Y.M.Pharm			
	Ghorpade Dipmala Digambar	F.Y.M.Pharm			
3	Dahifale Dnyaneshwari	S.Y.B.Pharm	Dr. R.K. Godage	19	
	Raghunath				
	Dere Rutuja Sandeep	S.Y.B.Pharm			
	Dighe Jaideep Appasaheb	S.Y.B.Pharm			
	Jejurkar Abhijeet	T.Y.B.Pharm			
	Jejurkar Sahil	T.Y.B.Pharm			
	Jondhale Tejas	T.Y.B.Pharm			
	Karande Suyog Suresh	Final B.Pharm			
	Kolhe Chaitali Ashok	S.Y. M.Pharm			
	Kote Shivam Rameshwar	S.Y. M.Pharm			
	Kotkar Abhishek Tulshidas	Final B.Pharm			
	Kumbhar Prasad Jaywant	Final B.Pharm			
	Dighe Rajashree Gangadhar	F.Y.Bpharm			
	Dumbare Swamini Gorakshnath	F.Y.Bpharm			
	Gadhave Aakanksha Sunil	F.Y.Bpharm			
	Game Prajwal Sandeep	F.Y.Bpharm			
	Ghogare Prajwal Vijendra	F.Y.Bpharm			
	Gholve Gayatri Gunwant	F.Y.Bpharm			
	Ahire Valmik Sudhakar	F.Y.M.Pharm			
	Auti Satish Mohan	F.Y.M.Pharm			
4	Jadhav Harshada Dipak	Final B.Pharm	Dr. S. R. Vikhe	18	
	Jadhavar Ajay Ramesh	S.Y. M.Pharm			
	Jangam Kanchan Kishor	S.Y. M.Pharm			
	Jejurkar Prajakta Ravindra	Final B.Pharm			
	Kalwaghe Shruti Ashok	Final B.Pharm			
	Palve Atish	T.Y.B.Pharm			
	Pandhare Aditya	T.Y.B.Pharm			
	Pathak Kiran	T.Y.B.Pharm			
	Pimpale Swapnil Pandurang	S.Y.B.Pharm			
	Pinjari Aman Siraj	S.Y.B.Pharm			
	Putale Abhishek Rajendra	S.Y.B.Pharm			
	Sonawane Shubham Ramesh	S.Y.B.Pharm	7		
	Vikhe Ritesh Dilip	F.Y.Bpharm	7		
	Vikhe Vaishnavi Parashuram	F.Y.Bpharm	7		
	Ghuge Bhavana Mahesh	F.Y.M.Pharm			
	Kangude Shubhangi Sambhaji	F.Y.M.Pharm			
	Murtadak Vaibhav Jalindar	F.Y.M.Pharm	7		
	Pardeshi Shreyash Kailassing	F.Y.M.Pharm	7		





5	Ghorpade Komal	T.Y.B.Pharm	Dr. S. S.	19]
	Ghorpade Sakshi	T.Y.B.Pharm	Siddheshwar		
	Girge Shubham	T.Y.B.Pharm			
	Kangude Dnyanda Haushabapu	S.Y.B.Pharm			
	Kangune Dnyaneshwari	S.Y.B.Pharm			
	Bhausaheb				
	Kedare Shraddha Raju	S.Y.B.Pharm			
	Pawar Jyoti Ranganath	S.Y. M.Pharm			
	Pilgar Jayashree Madhukar	S.Y. M.Pharm			
	Shinde Sonali Minanath	Final B.Pharm			
	Shingote Vishakha Shankar	S.Y. M.Pharm			
	Sonawane Pankaj Prakash	Final B.Pharm			
	Tambade Yogesh Baburao	S.Y. M.Pharm			
	Tamboli Avesh Aslam	Final B.Pharm			
	Nehepatil Kartik Ramesh	F.Y.Bpharm			
	Nikumbh Asmita Manoj	F.Y.Bpharm			
	Pardeshi Deven Pramod	F.Y.Bpharm			
	Pawar Anjali Mukund	F.Y.Bpharm			
	Sable Shreya Kakasaheb	F.Y.Bpharm			
	Sathe Sakshi Khanderao	F.Y.Bpharm			
6	Garad Sakshi Sharad	S.Y.B.Pharm	Dr. S.D. Mankar	18	
	Gawade Aditya Rajendra	S.Y.B.Pharm			
	Ghule Rupali Mahadev	S.Y.B.Pharm			
	Muntode Prasad	T.Y.B.Pharm			
	Musmade Prajwal	T.Y.B.Pharm			
	Nawale Abhijeet	T.Y.B.Pharm			
	Nehe Ashwini Rajaram	S.Y. M.Pharm			
	Nirmal Aishwarya Anil	S.Y. M.Pharm			
	Sadaphal Prajakta Balasaheb	Final B.Pharm			
	Sadaphal Priya Ashok	Final B.Pharm			
	Sadaphal Priyanka Anil	Final B.Pharm			
	Karle Swapnali Sanjay	F.Y.Bpharm			
	Kasar Harshal Raosaheb	F.Y.Bpharm			
	Kharde Shekhar Namdeo	F.Y.Bpharm	_		
	Kothawale Akshay Ambadas	F.Y.Bpharm	_		
	Kumavat Nandini Vitthal	F.Y.Bpharm	7		
	Lahare Smita Sandeepkumar	F.Y.Bpharm			
	Wadkar Sonam Tanaji	F.Y.M.Pharm			
7	Avhad Gayatri Balasaheb	S.Y.B.Pharm	Dr. R B Laware/	19	
	Bagale Vaishnavi Babasaheb	S.Y.B.Pharm	Miss.S.M. Vikhe		



	Bhalerao Rushikesh Bhausaheb	S.Y.B.Pharm			
	Biradar Vaidehi Baburao	S.Y. M.Pharm			
	Bornare Snehal Laxman	S.Y. M.Pharm			
	Chavan Saurav Rajendra	Final B.Pharm			
	Chavan Sayli	T.Y.B.Pharm			
	Chavan Vaishnavi	T.Y.B.Pharm			
	Dale Ashwini	T.Y.B.Pharm			
	Danve Rahul Dinkar	S.Y. M.Pharm			
	Daud Rushikesh Sanjayrao	Final B.Pharm			
	Cholke Dhanashri Sanjay	F.Y.Bpharm			
	Darunte Pratiksha Uddhav	F.Y.Bpharm			
	Deokar Shubham Dinkar	F.Y.Bpharm			
	Dhanapune Pavan Subhash	F.Y.Bpharm			
	Dige Ajay Ganesh	F.Y.Bpharm			
	Dighe Mayuri Rajendra	F.Y.Bpharm	_		
	Barhate Manoj Santoshrao	F.Y.M.Pharm			
	Borhade Ajay Rajendra	F.Y.M.Pharm	_		
8	Bangar Shriram Popat	T.Y.B.Pharm	Dr. R. J. Bhor	17	
	Borade Shubhangi Shivlal	T.Y.B.Pharm	_		
	Borude Gauri Balasaheb	Final B.Pharm			
	Gunjal Nikita Arun	T.Y.B.Pharm			
	Jaitade Pawan Shankar	Final B.Pharm			
	Kulsange Payal Suresh	Final B.Pharm			
	Landge Kajal Rajendra	T.Y.B.Pharm			
	Lokhande Rutuja Rajendra	T.Y.B.Pharm			
	Mule Pratiksha Sarvottamrao	T.Y.B.Pharm			
	Pardeshi Shweta Rajesh	Final B.Pharm			
	Patel Ayesha Yunus	Final B.Pharm			
	Salunke Dhanashree Ramrao	Final B.Pharm			
	Tate Chetan	T.Y.B.Pharm			
	Vikhe Shrutika Shantinath	S.Y.B.Pharm			
	Wagh Pratik Laxman	S.Y.B.Pharm			
	Waghmare Pragati Ajay	Final B.Pharm			
	Wani Anushka Abasaheb	S.Y.B.Pharm			
9	Daund Amol Kashinath	S.Y. M.Pharm	Dr. R. S. Jadhav	19	
	Gaikwad Yogeshwari	T.Y.B.Pharm			
	Ghadge Rushikesh	T.Y.B.Pharm			
	Ghogare Sudarshan	T.Y.B.Pharm			
	Ghule Yogeshwari Laxman	S.Y. M.Pharm			
	Nawale Sejal Navnath	S.Y.B.Pharm			





	Nibe Chetan Dattatray	S.Y.B.Pharm			
	Patel Suhana Ajaj	S.Y.B.Pharm			
	Vikhe Shraddha Rajendra	Final B.Pharm			
	Waditake Poonam Dada	Final B.Pharm			
	Waghe Raj Bhikaji	Final B.Pharm			
	Tekade Shraddha Santosh	F.Y.Bpharm			
	Varpe Tanmay Rajendra	F.Y.Bpharm			
	Vikhe Bhagyashri Nachiket	F.Y.Bpharm			
	Bhavar Chaitali Gajanan	F.Y.M.Pharm			
	Borude Darshana Babanrao	F.Y.M.Pharm			
	Dighe Pooja Subhash	F.Y.M.Pharm			
	Gade Sayali Navnath	F.Y.M.Pharm			
	Geeta Sudam Tambe	F.Y.M.Pharm			
10	Bhange Omkar Dilip	Final B.Pharm	Dr.S. K. Parjane/	10	
	Bharskar Ganesh Rajaram	Final B.Pharm	Miss. Payal		
	Borde Akash Sanjay	Final B.Pharm	Vikhe		
	Bramhane Varsha Manwel	S.Y. M.Pharm			
	Gaikwad Mayur Tarachand	T.Y.B.Pharm			
	Mane Ankita Prakash	Final B.Pharm			
	Nale Sakshi Murlidhar	Final B.Pharm			
	Rajput Priyanka Santaram	T.Y.B.Pharm			
	Ralebhat Vaishnavi Popat	Final B.Pharm			
	Sahane Pratiksha Anil	T.Y.B.Pharm			
11	Aher Amartya Haribhau	S.Y.B.Pharm	Miss. S. S	14	
	Aladi Pravin Chandrashekhar	S.Y. M.Pharm	Dhavane		
	Dhone Suresh Gorakshnath	S.Y. M.Pharm			
	Chavan Utkarsha Sunil	D.S.Y. B.Pharm			
	Gorshetwar Aniket Eknathrao	D.S.Y. B.Pharm			
	Landge Madhuri Shivaji	D.S.Y. B.Pharm			
	Mane Sonali Dattatraya	D.S.Y. B.Pharm			
	Muntode Renuka Vijay	D.S.Y. B.Pharm			
	Musale Dhananjay Narendra	D.S.Y. B.Pharm			
	Nikam Unnati Sahebrao	D.S.Y. B.Pharm			
	Patil Rohit Mohan	D.S.Y. B.Pharm			
	Tarkase Sahil Bhausaheb	D.S.Y. B.Pharm			
	Wayal Saurav Dashrath	D.S.Y. B.Pharm			
	Chavhan Shivani Ganesh	F.Y.Bpharm			
12	Agiwale Shreya Chiman	S.Y.B.Pharm	Dr. Arshu Patel	19	
	Adhav Hindavi	T.Y.B.Pharm			
	Aghav Sonali Popat	Final B.Pharm			



	Aher Harshada Sudhakar	S.Y.B.Pharm			
	Andhale Nikita Shridhar	S.Y.B.Pharm			
	Ansari Eram Tajamulhaq	S.Y.B.Pharm			
	Antre Kshitaja Gokul	Final B.Pharm			
	Asava Om	T.Y.B.Pharm			
	Atre Bhakti Nanasaheb	S.Y.B.Pharm			
	Barhate Shruti Pralhad	Final B.Pharm			
	Bhagat Dhanshri	T.Y.B.Pharm			
	Bhalerao Prajwali Deepak	S.Y. M.Pharm			
	Binage Asmita	T.Y.B.Pharm			
	Bonde Priya	T.Y.B.Pharm			
	Bulbule Laxman Devrao	S.Y. M.Pharm			
	Chate Shivkanya	T.Y.B.Pharm			
	Bhosale Shainesh Ganpat	F.Y.Bpharm			
	Bhusal Ruchita Ashok	F.Y.Bpharm			
	Vikhe Sharvari Vitthal	F.Y.M.Pharm			
13	Gite Shriram Kisan	S.Y.B.Pharm	Mr. A.S. Dighe	19	
	Jadhav Bhagyashri Sudin	S.Y.B.Pharm			
	Kale Awantika Narendra	S.Y.B.Pharm			
	Kotkar Pratiksha	T.Y.B.Pharm			
	Kunjir Yojana Anil	S.Y. M.Pharm			
	Mahasbudhe Vaishnavi	T.Y.B.Pharm			
	Malwade Pratik	T.Y.B.Pharm			
	More Sagar Navnath	S.Y. M.Pharm			
	Satpute Pankaj Bhausaheb	Final B.Pharm			
	Sayyed Alisha Ansar	Final B.Pharm			
	Shelke Mohini Bhausaheb	Final B.Pharm			
	Mandhare Gurudeo	F.Y.Bpharm			
	Mare Tejaswini Vasant	F.Y.Bpharm			
	Mirajgave Swapnil Sanjay	F.Y.Bpharm			
	Mulay Sakshi Uttam	F.Y.Bpharm			
	Nale Rutuja Abasaheb	F.Y.Bpharm			
	Nangare Vinayak Baban	F.Y.Bpharm			
	Barde Akshay Kanifnath	F.Y.M.Pharm			
	Chavan Ganesh Zugraj	F.Y.M.Pharm			
14	Gaikwad Gaurav Gokul	Final B.Pharm	Mr. D.N. Vikhe	18	
	Kharde Prachi Kishor	S.Y.B.Pharm			
	Khose Vaishnavi Vijay	S.Y.B.Pharm			
	Nagare Rohit Dashrath	S.Y.B.Pharm			
	Pawar Sonali Subhash	S.Y. M.Pharm			





	Sabale Komal Sakharam	S.Y. M.Pharm			
	Tambe Bhavna	T.Y.B.Pharm			
	Tamboli Mussasir	T.Y.B.Pharm			
	Tarate Anikhet	T.Y.B.Pharm			
	Tonde Avishkar Shrikrushna	Final B.Pharm			
	Turkane Arpita Sunil	Final B.Pharm			
	Unde Sahara Balasaheb	Final B.Pharm			
	Patil Sambodhi Ashokrao	F.Y.M.Pharm			
	Shinde Tejasvee Ramachandra	F.Y.M.Pharm			
	Solunke Renuka Sitaram	F.Y.M.Pharm			
	Sonawane Mansi Dayanand	F.Y.M.Pharm			
	Sonawane Pallavi Annasaheb	F.Y.M.Pharm			
	Upadhaye Sonal Bhavarlal	F.Y.M.Pharm			
15	Khandagale Disha Appasaheb	S.Y.B.Pharm	Mr. G.S. Shinde	19	
	Kharat Sayali Chaitanya	S.Y.B.Pharm			
	Kharde Akanksha Ramdas	S.Y.B.Pharm			
	Mule Akshay Rajendra	S.Y. M.Pharm			
	Pansare Yogesh Sampat	S.Y. M.Pharm			
	Shinde Deepali	T.Y.B.Pharm			
	Tawate Vinod Rajendra	Final B.Pharm			
	Thombhare Shailesh Rambhau	Final B.Pharm			
	Todmal Tejas Ganesh	Final B.Pharm			
	Vidhate Gitanjali	T.Y.B.Pharm			
	Zanjare Vrushali	T.Y.B.Pharm			
	Satpute Uday Anil	F.Y.Bpharm			
	Sayyad Shifa Inayat	F.Y.Bpharm			
	Shaikh Shahid Jakir	F.Y.Bpharm			
	Shinde Nayan Pandurang	F.Y.Bpharm			
	Shinde Rutuja Vilas	F.Y.Bpharm			
	Somvanshi Trupti Rajendra	F.Y.Bpharm			
	Deshmukh Gaurav Umeshrao	F.Y.M.Pharm			
	Dhanwate Gaurav Shailesh	F.Y.M.Pharm			
16	Kotkar Gayatri Vijay	Final B.Pharm	Mr. M.S. Bhosale	18	
	Pawar Suchit	T.Y.B.Pharm			
	Phalke Vishal	T.Y.B.Pharm			
	Rode Akshata	T.Y.B.Pharm			
	Sadaphal Omkar	T.Y.B.Pharm			
	Salunkhe Shubham	T.Y.B.Pharm			
	Shelke Jayashree Ashok	S.Y.B.Pharm			
	Shelke Yash Bapusaheb	S.Y.B.Pharm			





	Shinde Sayali Pandurang	S.Y.B.Pharm			
	Shinde Yash Sunil	S.Y.B.Pharm			
	Surule Gaurav Haribhau	S.Y.B.Pharm			
	Tambe Akanksha Sunil	S.Y.B.Pharm			
	Tambe Tejashree Laxman	Final B.Pharm			
	Vikhe Ashrika Sanjay	S.Y. M.Pharm			
	Vikhe Rahul	Final B.Pharm			
	Wagh Mohit Prasad	S.Y. M.Pharm			
	Wagh Pooja Vikram	F.Y.Bpharm			
	Wadghane Somnath Vikram	F.Y.M.Pharm			
17	Nimbalkar Stuti	T.Y.B.Pharm	Mr. S.D. Magar	18	
	Nirmal Kiran	T.Y.B.Pharm			
	Nirmal Triveni	T.Y.B.Pharm			
	Rane Prashant Mangalsing	S.Y.B.Pharm			
	Rapol Mayuri Raju	S.Y.B.Pharm			
	Salunke Sampada Santosh	S.Y.B.Pharm			
	Salve Pratik Sanjay	S.Y.B.Pharm			
	Thorat Kaushal	T.Y.B.Pharm			
	Thorat Nikita Vilas	S.Y. M.Pharm			
	Tribhuvan Prachi	T.Y.B.Pharm			
	Tupe Sakshi	T.Y.B.Pharm			
	Ubale Shweta Rajkumar	S.Y. M.Pharm			
	Wani Abhay Bhimashankar	Final B.Pharm			
	Warale Anurag Appasaheb	Final B.Pharm			
	Warhade Vaishnavi Ramesh	Final B.Pharm			
	Wade Saurabh Sanjay	F.Y.Bpharm			
	Rathod Pooja Motilal	F.Y.M.Pharm			
	Shaikh Shabnam Babu	F.Y.M.Pharm			
18	Dighe Rutuja Chandrabhan	Final B.Pharm	Mrs. H. S.	19	
	Gholap Samiksha Anil	Final B.Pharm	Bhawar		
	Handal Suvarna Bajrao	Final B.Pharm			
	Kanore Vaishnavi	T.Y.B.Pharm			
	Kardile Vaishnavi	T.Y.B.Pharm			
	Kawade Sakshi	T.Y.B.Pharm			
	Pawar Tanishka Anil	S.Y.B.Pharm			
	Pawar Trupti Yogesh	S.Y.B.Pharm			
	Pawar Vaishnavi Bhaskar	S.Y.B.Pharm			
	Shirsath Priti Raju	S.Y. M.Pharm			
	Thakre Shital Balasaheb	S.Y. M.Pharm			
	Sonawane Ketan Laxman	F.Y.Bpharm			





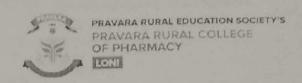
	Soni Gauri Shivdas	F.Y.Bpharm			
	Surawase Neha Anil	F.Y.Bpharm			
	Ghogare Rutuja Chandrakant	F.Y.M.Pharm			
	Ghorpade Hrishikesh Suryabhan	F.Y.M.Pharm			
	Kolhe Piyusha Vasant	F.Y.M.Pharm			
	Nalawade Anurag Krishna	F.Y.M.Pharm			
	Nirmal Sujata Eknath	F.Y.M.Pharm			
19	Karwa Sejal Manoj	Final B.Pharm	Ms. K. V.	18	
	Kawade Madhuri Suresh	Final B.Pharm	Dhamak		
	Kharat Priyanka Sanchit	Final B.Pharm			
	Pande Akshay	Final B.Pharm			
	Sangale Pratiksha Prabhakar	S.Y.B.Pharm			
	Sapte Vikas	T.Y.B.Pharm			
	Satpute Dnyaneshwari Rajkumar	S.Y.B.Pharm			
	Shaikh Moin Rajmhammad	S.Y.B.Pharm			
	Shaikh Sahirish	T.Y.B.Pharm			
	Shejul Deepak	T.Y.B.Pharm			
	Tambe Sonali Balasaheb	S.Y. M.Pharm	- -		
	Tanpure Rushikesh Raosaheb	S.Y. M.Pharm			
	Karanjekar Vipul Ashok	F.Y.M.Pharm			
	Khemnar Priyanka Ramdas	F.Y.M.Pharm			
	Khemnar Priyanka Ramdas	F.Y.M.Pharm			
	Prerana Sharad Musale	F.Y.M.Pharm			
	Sagar Priyanka Macchindra	F.Y.M.Pharm			
	Satpute Ajay Dashrath	F.Y.M.Pharm			
20	Kharde Sonal Sanjay	Final B.Pharm	Ms.R.D. Ghogare	17	
	Khedkar Harshada Jagdish	Final B.Pharm			
	Mahale Gayatri Shivdas	Final B.Pharm			
	Parjane Shraddha Ranjan	Final B.Pharm			
	Patil Pooja Mohan	Final B.Pharm			
	Shinde Priyanka Krishna	S.Y. M.Pharm			
	Shinde Tejashri Sunil	S.Y. M.Pharm			
	Tambe Nikita Machindra	S.Y.B.Pharm			
	Tambe Pornima Ramdas	S.Y.B.Pharm			
	Thete Bhakti Sharad	S.Y.B.Pharm			
	Vahadane Ruchika Sheshrao	S.Y.B.Pharm			
	Vani Saiprasad	T.Y.B.Pharm			
	Vikhe Anushka	T.Y.B.Pharm			
	Vikhe Sarika	T.Y.B.Pharm			
	Waghchaure Akshada Govind	S.Y. M.Pharm			





	Tupe Arpita Vaibhav	F.Y.M.Pharm			
	Walave Ashwini Rajendra	F.Y.M.Pharm			
21	Gaikwad Aditya Shivaji	S.Y.B.Pharm	Mr. M. H. Kolhe	19	
	Gaikwad Nikita Prakash	S.Y.B.Pharm			
	Gajare Asawari Sham	S.Y.B.Pharm			
	Joshi Rohit	T.Y.B.Pharm			
	Kadam Suraj	T.Y.B.Pharm			
	Kakade Kishori	T.Y.B.Pharm			
	Khemnar Chhaya Sopan	S.Y. M.Pharm			
	Markad Manjusha Harishchandra	S.Y. M.Pharm			
	Paradhi Amol Vishnu	Final B.Pharm			
	Randive Rohan Balkrishna	Final B.Pharm			
	Risbud Ved Shriram	Final B.Pharm			
	Jawale Akshada Ashok	F.Y.Bpharm			
	Jondhale Nikita Machhindra	F.Y.Bpharm			
	Jondhale Tejal Ankush	F.Y.Bpharm			
	Kale Shraddha Pralhad	F.Y.Bpharm			
	Kamble Rutuja Shashikant	F.Y.Bpharm			
	Karande Pradip Balshiram	F.Y.Bpharm]		
	Kachare Akshay Balu	F.Y.M.Pharm]		
	Kanawade Shubham Narayan	F.Y.M.Pharm			

Principal



MENTOR GUIDELINES AND CODE OF CONDUCT

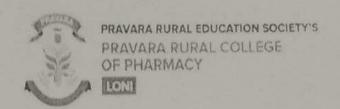
Mentoring is not a panacea for all the problems and issues related to personal and professional life of your mentee and his/her family. The essence of mentoring is the sustained human relationship. Your commitment and dedication to your mentee may be the most profound opportunity that you experience. The quality of the relationship you build directly influences the life and future of your mentee.

Please exert every effort to maintain professional standards, improve your mentor skills, and exercise good judgment when engaged in any activity involving your mentee.

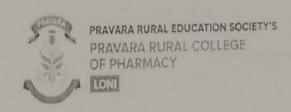
As a mentor you are a: POSITIVE ROLE MODEL AND CAREER COUNSELOR.

Please read carefully, the following guidelines and your roles as a mentor-

- At the initial stages, your mentee may appear to be hesitant, unresponsive, and unappreciative of the mentor-mentee relationship. This guarded attitude is simply a manifestation of his/her insecurity about the relationship. The mentee's attitude will gradually take a positive turn as he/she realizes your sincerity about being a good guide in terms of mentor.
- 2. Like any other relation mentor—mentee relationship has an initial phase. During this phase thementee is more interested in getting to know how "real" you are and how much he/she can trust you. So give adequate time to buildup the mutual faith and trust.
- 3. Establish how you can reach your mentee: by phone, e-mail, or at a designated meeting location like class room/ tutorial room (most preferred). As far as possible all meetingsshould be scheduled in advanced and should be in notice to the HOD/Principal.
- 4. Don't try to be teacher, parent, disciplinarian and psychotherapist during mentor mentee meetings.
- 5. Don't criticize or preach. Think of ways to solve the problem together rather than lecturing ortelling the mentee what to do. Never have a negative attitude towards your mentee.
- 6. Respect the uniqueness and honor the integrity of your mentee and influence him/her throughconstructive feedback.
- Always explore positive and negative consequences of each and every point/matter/issue.

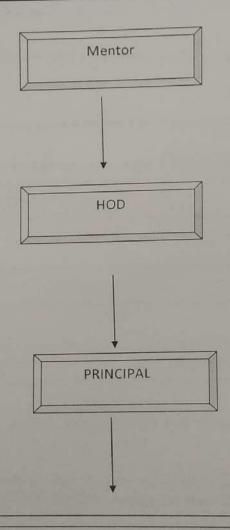


- 8. Be encouraging not demanding. There is a big difference between *encouraging* and *demanding*. Encourage your mentee to complete his/her education and pursue higher learning or professional goals; provide access to varying points of view.
- 9. Assist your mentee in making the connection between his/her actions of today and the dreams and goals of tomorrow. Don't get discouraged if the mentee isn't turning his/her life around or making great improvements.
- 10. As a teacher cum guide you can share and advise, but know your limitations. NEVER BE VERY PERSONAL AND SHARE PERSONAL ISSUES. YOU SHOULD PREFERABLY INTERACT WITH YOUR MENTEES IN A GROUP.
- 11. Problems that your mentee may share with you regarding substance abuse, molestation and physical abuse are best handled by professionals. If you have any concerns, contact the higher authorities immediately.
- 12. Be supportive of the parent, even when you may disagree. Don't take sides or make judgments concerning any family conflict or situation. Leave the parenting to the parent.
- 13. There may be instances when your mentee's behavior is unacceptable. Explain to your mentee why you find his/her behavior unacceptable. Don't forget to inform the parent about the steps you took and why you took them.
- 14. Never use abusive or unprofessional language.
- 15. Avoid arguments with your mentees.
- 16. As far as possible female faculty should be the mentor for female students.
- 17. Always keep record in support of your all actions of mentor mentee programme.
- 18. Never use alcohol, tobacco or drugs and share your personal things with your mentee.
- 19. Entertainment is not the focal point of your relationship. Do not spend an exorbitant amount of money for activities like birthday presents, parties etc.



- 20. Be sure you have parental approval for all activities apart from routine academic activities.
- 21. If you have a concern you feel is beyond your ability to handle, feel free to contact the higher authorities. Never feel helpless or hopeless.

FLOWCHART FOR ADDRESSING MAJOR ISSUES BY MENTOR



HIGHER AUTHORITIES (DIRECTOR-TECHNICAL, CHAIRMAN)

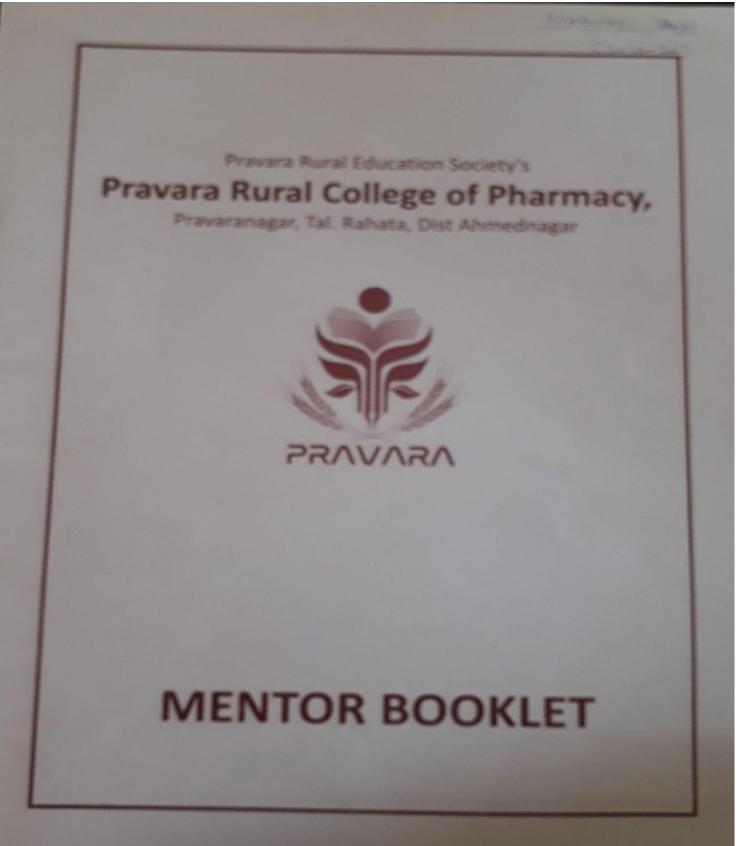
> Pravara Rural College of Pharmacy Pravaranagar, A/p. Loni-413736

Mentor Mentee Ratio 2021-2022

Year	No of Student Enrolled in last Year	No of full time ratio	Mentor: Mentee Ratio
2021-2022		24	1:15

Principal
Pravara Rural College of Pharmacy
Pravaranagar, Alp. Loni-413 736







(Preus)

Principal
Pravara Rural College of Pharmacy
Pravaranagar, Alp. Loni-413 736



Pravara Rural Education Society's Pravara Rural College of Pharmacy, Pravaranagar



and to be fined by mentee
Programme: B-Pham. Admission Year: 2019-20.
Name of Student: Nimbalkar Stuti Ashay.
Father's Name: Nimbalkar Abhay waman.
Mother's Name: Nimbalkar Sunita Abhay.
Father's Occupation:
Mother's Occupation: NUTSE
Address for Correspondence (Change in address to be updated immediately)
a) Local: Engineering girls hoster, North Campus,
b) Permanent: gamma Nagami, sanjivani, kopargaon.
Phone/Mobile (Res.): 9823852955 Mobile: 9860658117. Email: stuffnimbalkar 13 @gmail. com.
Marital Status: Married / Unmarried
Blood Group: Other Date of Birth: 13 July 2001
n case of emergency please call contact No.: 9860658117
Name: Nimbalkar Sunita Abhay Relation: Mother.
/ork Experience (If any):
anguages known: English, Hindi, Marathi.
ative place: Kopangaon .





-	Examination	University / Board	Specialization	Medium	Year of Passing	Percentage	
1	S.S.C.	CBSE .				89%	
2	H.S.C.	Statend			2019	70%	
	Others (If any)	board			0019	107.	
		1		-			
obbi	Aspirations / Drea	ng Sin	ging, one in a	writing epute	d reser	neh institute	
Clo	se Friends: (Any	two)	01 0184	J's			
1	Name & Add.:	Knt kna	Drothingh	a 0.0	entreb		
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1	Mobile No.: 9.6	2383274	14 Em	ail Id.: .PXX	ttikahakot	1kar 123 @gma	χί)·(
. N	Name & Add.:	3hinde	Dipali 1	Варита	0.	•••••	
M	Sobile No.:&	76678091	1.7 Ema	ail Id.:df.p9.	ishinde.	6000@gmail.	con
Na	ame & Add.:	linage	Asmita	Ashok	······································		
Mo	obile No.: 85	30156680	Ema	bI li	nitabina	ge@gmail.co	m





	Health Details:
Any Aller	ies:
Any preex	ting medical condition:
	No.
	••••••

***************************************	······································
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IV. Special Ac	nievement (In the Institute):
	- Caracitate).

••••••	
G	od reading skills & grasping power & can explain good.
trengths:	
trengths:	auf confidence. can explain good.
rengths:	eff-confidence.
eakness:	eff-contidence.
eakness:	eff-confidence.
rsuing any othe	eff-contidence.
rsuing any othe	course:
rsuing any othe	eff-confidence,
rsuing any othe	course:
rsuing any othe	course:





V. Final Placement (If done during the	eighth semeste	r):		
Preferred Industry:				
Preferred Location:				
If selected from campus: Company's Name				
Package offer received:				
Working location:				
5-10-93				
S.D. Thogar Mentor's Name & Signature			Allah.	
Signature .			Mentees Signature	



(Preus)

Observation of Mentor on the counseling & visible changes

1000	Sr. No.	Date	Problems faced by Mentee	Counseling in respect of Problem	Changes observed	Initial of Mentor
3		08/8/19	- prinking water josue in hoster	Principal of Froform no Rector	- problem	som
2	. 1	10110119	- Arrorge Expert lecture for As us.	- Discussion Principal Academic Fc	- Expent leave was amonged	som
3.	3	512120	- Arrorge Sporm & Cultural events for us	- Discuss with principal of Committee	Planned	som
۲.	0	6/3/2000	. No problem			Som
5	10	018120	provide study makings	-pisscuss with prinipal Academicae	provided	som
6	5	10/20	- Due to Network issue lecture one not connected at as weiting nomember	- principal Academic IC	- staff are informed he disoble worthing	snm
	10	102121	No issue	-	room during 1	som

Note: If the progress of mentee is normal & positive a formal report is not insisted.





Observation of Mentor on the counseling & visible changes

Si No	The second secon	Problems faced by Mentee	Counseling in respect of Problem	Changes observed	Initial of Mentor
8	2014121	- Provides mcg's for Exam practices	principal d Academic I c	- provided	som
9.	13/12/21	proude model question papers for	pisseused with subject teachers.	provided.	SDM
10	22/1/ri	Provide notes.	Discussed with teachers.	provided.	spM
		Arrange more Industrial visit.	Principal of TPC Incharge	Avoraged in Coming series ter.	SDM.
12. 1	eliola	Meed time for GPAT study.	principal.		SDM.
	f the progre				

Note: If the progress of mentee is normal & positive a formal report is not insisted.





Academic Progress Monitoring Report: Det . 2019 - 20

Sr. No.	Year / Semester	Subject Name	Observation SL/AL	Rectification	Signature	Signature
1.	sem-I	s phyciology - I .		measures taken	of mentee	of Parent
2.	2019	Pharmarou Heat	-AL		- Jane	ARA
-	sem-I	pharmareutics	AL		the	And
2,	sem-I	-1.	AL		thate	Men
	2019 sem-I	pharmoreutical inorganic chemistry	AL		Matri.	And
	2019 sem-L	Communication skills.	AL		World!	ma
	1019	Remedial mother atics.	A		- the	ALIN
		mortuna ics .	7)		The	72
-	CI . CI	ow Learner: AL, Advan-				

SL: Slow Learner; AL: Advanced Learner

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent



Academic Progress Monitoring Report: Polg-10 Sem - IL

Subject Name	Observation	Rectification	Signature	Signature
HAO -	SLAL	measures taken	The second second second	of Parent
The T	AL		12000	P2-01
Poc-1	AL		Atori	8km
Biochomishy	AL		Skats	axe.
Parhaphysiology	AL		State.	20
Computer Application	AL		State	ALCA!
Rus	AL		CALLE.	STAN STAN
3	41		- State	+
	Pathophysiology Computer Application 10 Phermony	Parhaphysiology AL Computer application AL Description	Biochomishy AL Parhophysiology AL Computer Application AL 10 phermony	Port Application AL SI/AL measures taken of mentee AL AL Biochomishy AL Computer Application AL Jestiff First First

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent



Academic	Progress	Monitoring	Report.
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Sr. No.	Year / Semester	Subject Name	Observation SL/AL	Rectification	Signature	Signature
1	Semi	P. 0C. TI		measures taken	of mentee	of Parent
2			AL		that.	Aw
		PP-7	AL		Stute.	1000-
3		P. micro	AL		Muta	Au
4		b. G	AL		ZANT	- Aus
	1				1	1
						1

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent
1						
-						
1						
1						



Academic Progress Monitoring Report: 2020-21

sem-IV

Sr. No.	Year / Semester	Subject Name	Observation SL/AL	Rectification measures taken	Signature of mentee	Signature of Parent
)	sem	POCID	AL		Mula	Ano
2		wct	AL		Mula	And
3		PPI	AL		Auto	Ans
4		P'coluny-I	AL		Aut.	-MO
5		P'cognay. Pyto	AL		Audi	100
		1, 1,				

SL: Slow Learner; AL: Advanced Learner

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent
T						



Academic Progress Monitoring Report:

Sr. No.	Year / Semester	Subject Name	Observation SL/AL	Rectification measures taken	Signature of mentee	Signature of Parent
1-	T	l'cognosy It.	AL		Andr	Aus
2.	T	Med cham I.	AL		Mate	Awy
3.	V	P'cology II.	AL		Aux	Am
4.	D	Industrial Pharmy	AL		That	Aw
5.	立.	P' Junis prudonce.	AL		Steet	Any

SL: Slow Learner; AL: Advanced Learner

Any other issue which requires special attention/counseling:

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent



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Academic Progress Monitoring Report: VI 2021-22

		SL/AL	measures taken	of mentee	of Parent
1rdyn	Medicinal chemisty	AL		Muto	Ann
Indyr.	Pharmacology III.	AL		July	Am
Indh.	Herbal drug technology.	AL		The	And
Ind hu.	Biopharmadeutics & P binetics.	AL		July	Aw
Irdyr.	P'biotechnology	'. AL		Auto	AND
The T	P' quality Assuaran	D, AL		Muli	AND
1	Indyn Indyn	Trdyr Pharmacology III. Trdyr Herbal drug Technology. Trdyr Biopharmaceutics E P tinetics. Trdyr. P' biotechnology Trdyr. P' biotechnology	Indyr Pharmacology III. AL Indyr Herbal drug Technology. AL Indyr Biopharmaceutics E p binetics. AL Indyr. P' biotechnology. AL Indyr. P' biotechnology. AL	Indyr. Pharmacology III. AL Indyr. Herbal drug Technology. AL Indyr. Biopharmaceutics E p tinetics. AL Indyr. P' biotechnology. AL Indyr. P' biotechnology. AL	Trdyr Pharmacology III. AL Trdyr Herbal drug Technology. AL Trdyr Biopharmaceutics E P binetics. AL Trdyr. P' biotechnology. AL Trdyr. P' biotechnology. AL

SL: Slow Learner; AL: Advanced Learner

Any other issue which requires special attention/counseling:

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent



(Mrews)

Academic Progress Monitoring Report: VIV. Proque Report: Academic Progress Monitoring Report:

Sr. No.	Year / Semester	Subject Name	Observation SL/AL	Rectification measures taken	Signature of mentee	Signature of Parent
1.	四个.	IP-I.	AL	measures taken	Auta	oi rarent
v	Inda.	IMA-	AL		Auto	
3.	I yr	PP.	AL		Aut	
4.	TV yr	NDDS.	AL		Aut	
					1	
				13177-24		

SL: Slow Learner; AL: Advanced Learner

Sr. No.	Year / Semester	Issue	Whether referred to in any committee	Rectification measures taken	Signature of mentee	Signature of Parent
-						
					1	





Competitive Exam Guidance June 2021-Dec 2022

Sr.No	Date	Name of the	Organization	No of	Topic
		Expert		Students	
1	16.08.2021	Mr.Aakash	Pharm Elite,	UG-104	"Strategy for
		Nathani	Mumbai		GPAT &
					NIPER
					Preparation"
2	18.09.2021	Mr.Vikrant	Dr. VVPF,	UG-100	"GPAT &
		Dhamak	College of		NIPER
			Pharmacy,		Preparation
			Viladghat,		2022"
			A.Nagar.		
3	11.12.2022	Mr. Harshad	Astra zenca	UG-106	"Tips &
		Jadhav	AB, Swedan		Tricks to
					crack GPAT
					& NIPER
					2022"
4	25.01.2022	Dr.	Academy of	UG-230	"GPAT &
		Machhindra	NIPER		NIPER
		Bochare	Aspirants		preparation
					2022"
5	25.03.2022	Mr.	SRTM,	UG-40	Tricks to
		Shivprasad	Nanded		solve GPAT
		Tengale	University		paper
6	27.04.2022	Mr. Sagar	The Infinity	UG -100	Seminar on "
		Hange	Academy,		Preparation of
			Nashik		Competitive
					Exam
					MPSC/UPSC

SOUND AN ARMEN OF CHANGE O



Appreciation Certificate

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21 of First/Second/Thurd/Final Year M. Pharm have performed excellent in This is to certify that Mr./Ms. Jongom Kanhon Kishor

Mrs. Sundyana Vikhe A cademic Incharge

Mr Mayur S. Bhosale

Sport Incharge



Appreciation Certificate

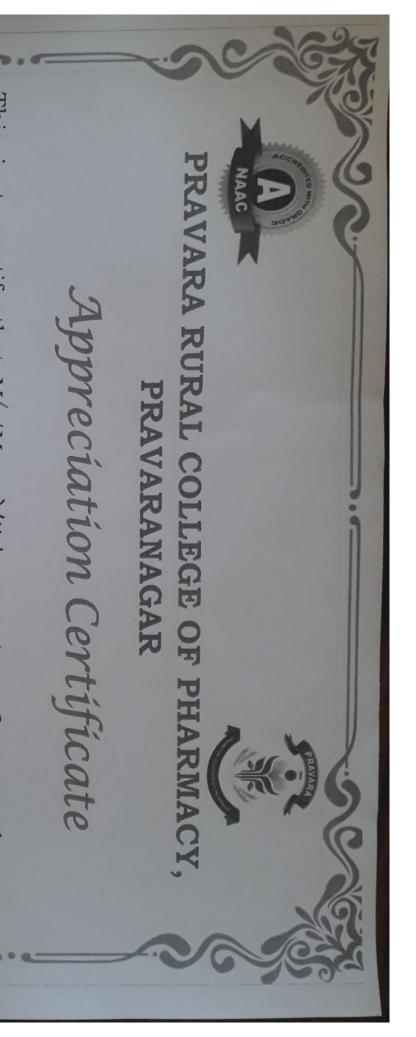
This is to certify that Wr./Ms. Shingote vishakha Shonkon

of First/Second/Third/Final Year M. Pharm have performed excellent in Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

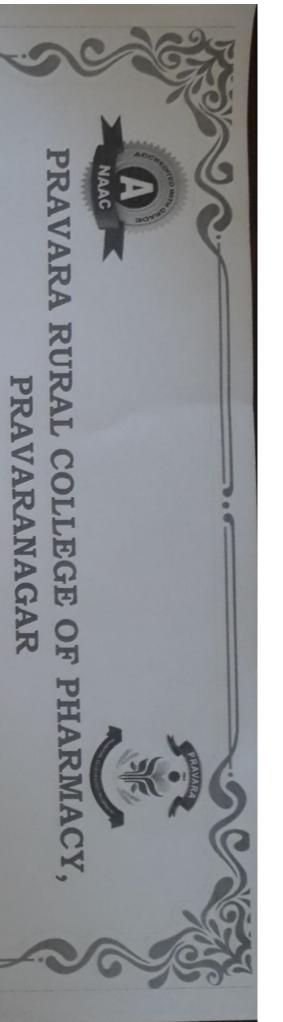
Mrs. Sunayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale

Sport Incharge



Academic/Sports/Extra Curricular Activities for Academic Year 2020-21. of First/Second/Third/Final Year M Pharm have performed excellent in This is to certify that Mr./Ms. Vikhe Ashvika Sanjay (M.phorm) Mr. Mayur S. Bhosale Dr. Sanjay B. Bhawa



Appreciation Certificate

This is to certify that Mr./Ms. Kolhe Piyusha Vosant

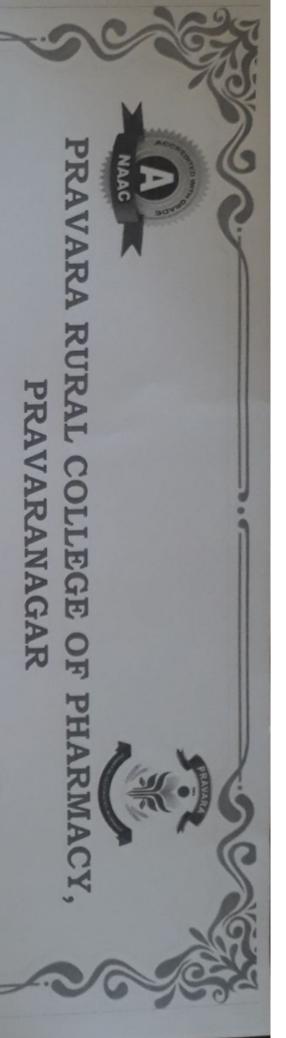
of First/Second/Third/Final Year B. Pharm have performed excellent in

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Sunayana Vikhe
Academic Incharge

Mr. Mayur S. Bhosale

Sport Incharge



Appreciation Certificate

This is to certify that Mr./Ms. Vipyl Ashok Karanjekar

of First/Second/Third/Final Year B. Pharm have performed excellent in Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Sunayana Vikhe

A cademic Incharge

Mr. Mayur S. Bhosale Sport Incharge





Appreciation Certificate

This is to certify that Mr./Ms. Vijaymala Galkrishna

of First/Second/Third/Final Year B. Pharm have performed excellent in

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21.

Mrs. Surayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale Sport Incharge



Appreciation Certificate

This is to certify that Mr./Ms. Tambe Tejeshri Loxmon

of First/Second/Third/Final Year B. Pharm have performed excellent in Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Sunayana Vikhe cademic Incharge

Mr. Mayur S. Bhosale Sport Incharge



Appreciation Certificate

This is to certify that Mr./Ms. Karva Sejal Many

of First/Second/Third/Final Year B. Pharm have performed excellent in

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Suráyana Vikhe Academic Incharge

Mr. Mayur S. Bhosale Sport Incharge



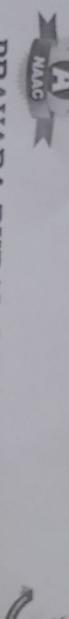
Appreciation Certificate

This is to certify that Mr./Ms. Tathe Cheton Gosonan

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21 of First/Second/Third/Final Year B. Pharm have performed excellent in

Mrs. Senayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale Sport Incharge



Appreciation Certificate

This is to certify that Mr./Ms. Shejul Dipok

of First/Second/Third/Final Year B. Pharm have performed excellent in DOHOTTOHO

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

demic Incharge Surayana Vikhe

yur S. Bhosale



Appreciation Certificate

This is to certify that Mr./Ms. Dorkunde Rahul Sukhder

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21 of First/Second/Third/Final Year B. Pharm have performed excellent in

Mrs. Sunayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale



Appreciation Certificate

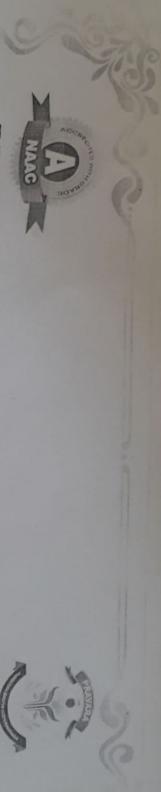
This is to certify that Mr./Ms. Kongude Dayando Housholopy

of First/Second/Third/Final Year B. Pharm have performed excellent in

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Sunayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale Sport Incharge



Appreciation Certificate

of First/Second/Third/Final Year B. Pharm have performed excellent in This is to certify that Mr./Ms. Salunke Sompado Sontosh

Academic/Sports/Extra Curricular Activities for Academic Year 2020-21

Mrs. Supayana Vikhe Academic Incharge

Mr. Mayur S. Bhosale
Sport Incharge





Mini Projects Summary

SUMMARY

Academic Year 2021-2022

Sr.No	Name of the Student	Title	Guided By
		Formulation And Evaluation Of Herbal Face	-
1	Aghav Sonali Popat	Pack And Face Scrub Of Musa Paradisiaca	Dr. R.K. Godge
		Formulation And Evaluation Of Herbal Face	
2	Antre Kshitija Gokul	Pack And Face Scrub Of Musa Paradisiaca	Dr. R.K. Godge
		Formulation and evaluation of herbal	
3	Barhate Shruti Pralhad	Ointment of Lantana camara Linn.	Dr. S.B Bhawar
		Formulation and evaluation of herbal	
4	Bhange Omkar Dilip	Ointment of Lantana camara Linn.	Dr. S.B Bhawar
		Formulation and Evaluation of topical	
		herbal antifungal stick against candida	
5	Bharskar Ganesh Rajaram	albicans	Mrs. H.S.Bhawar
		Formulation and Evaluation Of Herbal Lip	
6	Borude Gauri Balasaheb	Balm	Mrs. H.S.Bhawar
		Formulation And Evaluation Of Topical	
		Herbal Antifungal Stick Against Candida	
7	Chavan Saurav Rajendra	Albicans	Mrs. H.S.Bhawar
	Daud Rushikesh	Formulation And Evaluation Of Polyherbal	
8	Sanjayrao	Anti Aging Cream.	Dr.S.R .Vikhe
_		Formulation and evaluation of polyherbal	
9	Gaikar Sahil Anil	anti aging cream.	Dr.S.R .Vikhe
		Study of Antibacterial Activity of the leaves	
10	Gaikwad Gaurav Gokul	of Ficus Religiosa linn	Dr R.S. Jadhav
		Formulation and evaluation of herbal roll on	
	~ ~	and inhaler for common cold associated with	D 0 3 4 4 4 4 4 4 4
11	Gholap Samiksha Anil	headache	Prof. M.H.Kolhe
		Formulation and evaluation of herbal roll on	
10	G: : P 1 4 .	and inhaler for common cold associated with	D C 14 11 11
12	Giri Prasad Sanjay	headache	Prof. M.H.Kolhe
		Formulation and evaluation of herbal roll on	
1.2	H 110 D."	and inhaler for common cold associated with	D CMILIZII
13	Handal Suvarna Bajirao	headache	Prof. M.H.Kolhe
		Formulation and evaluation of herbal tablet	D 0.1
1.4		of Jackfruit Root for assessment of	Dr. Suhas
14	Jadhav Harshada Dipak	Antiasthmatic activity.	Siddheshwar



(Mrun)



		Review Study On Solubility Enhancement	
	Jahagirdar Shubham	Of Glimepiride By Solid Dispersion Method	Dr. Suhas
15	Narendra	Using PEG 6000	Siddheshwar
		Enhancement Of Solubility Of Glimepiride	
16	Jaitade Pavan Shankar	Drug Using PEG(Poly Ethylene Glycol)	Dr.S. B. Dighe
		Formulation And Evaluation Of Herbal	<u> </u>
		Tablet Of Jackfruit Bark For Assessment Of	
17	Jejurkar Prajakta Ravindra	Wound Healing Activity	Dr.S D Mankar
		Formulation And Evaluation Of Aegle	Dr.
18	Kalwaghe Shruti Ashok	Marmelos Syrup From Fruit	S.S.Siddheshwar
19	Karande Suyog Suresh	A Review on Anemia	Dr S.B Dighe
	, c	Phytochemical Investigation Of Gymnema	
21	Karwa Sejal Manoj	Sylvestre Leaves	Mr.D. N. Vikhe
	, , ,	Pharmacological Investigation Of Gymnema	
22	Kawade Madhuri Suresh	Sylvestre Leaves	Mr. D. N. Vikhe
		Formulation And Evaluation Herbal	
		Ointment Of Nyctanthes-Arbortristis And	
23	Kharat Priyanka Sanchit	Clerodendron	Dr.R.S. Jadhav
		Formulation And Evaluation Herbal	Dr.R.S. Jadhav
		Ointment Of Nyctanthes-Arbortristis And	
24	Kharde Sonal Sanjay	Clerodendron	
		Formulation Of Herbal Ointment Of	Dr.R.S. Jadhav
		Clerodendron Serratum For Assessment Of	
25	Khedkar Harshada Jagdish	Anti-Inflammatory Activity.	
		Formulation Of Herbal Ointment Of	Dr.R.S. Jadhav
		Nycthanthes Arbortistis And Clerodendron	
	Kotkar Abhishek	Serratum For Assessment Of Anti	
26	Tulshidas	Inflammatory	
		The Phytochemical Screening &	
		Pharmacognostic Study Of Achyranthes	
27	Kotkar Gayatri Vijay	Aspera	Prof. G.S. Shinde
		The Phytochemical Screening And	Prof. G.S. Shinde
		Pharmacognistic Study Of Achyranthes	
28	Kulsange Payal Suresh	Aspera"	
		The Phytochemical Screening And	Prof. G.S. Shinde
		Pharmacognistic Study Of Achyranthes	
29	Kumbhar Prasad Jaywant	Aspera"	
30	Kute Nikhil Shivaji	Biosimilar And It's Current Perspective	Dr. S. D.Mankar
		Herbonanoceuticals: A Newer Approach For	
31	Londhe Ashish Kaduba	Delivering Herbal Drugs	Dr. S. D. Mankar
		Formulation And Evaluation Of	Mrs.K.V.
32	Mahale Gayatri Shivdas	Antibacterial Herbal Toothpaste Isolated	Dhamak



Mruns



		From Gauva Leaves, Akarkara Leaves, Stevia Leaves.	
		Formulation And Evaluation Of Herbal	
33	Mane Ankita Prakash	Lipstick From Delonix Regia Extract.	Mr. M.S.Bhosale
	Mane Rushikesh	Formulation And Evaluation Of Herbal	
34	Tarachand	Lipstick From Delonix Regia Extract.	Mr. M.S.Bhosale
		Pharmacognostic, Pharmacological	
		Investigation And Formulation, Evaluation	
		Of Herbal Ointment From Ecliptic Alba	Miss.R D
35	Pardeshi Shweta Rajesh	Leaves	Ghogare
		Pharmacognostic, Pharmacological	
		Investigation and Formulation, Evaluation of	Miss.R D
36	Parjane Shraddha Ranjan	Herbal Ointment From Ecliptic alba leaves	Ghogare
		Formulation and evaluation of antibacterial	
		herbal toothpaste isolated from Gauva leaves,	Mrs.K.V.
37	Patil Pooja Mohan	Akarkara leaves, Stevia leaves.	Dhamak
		Formulation and evaluation of antibacterial	
		herbal toothpaste isolated from Gauva leaves,	Mrs.K.V.
38	Ralebhat Vaishnavi Popat	Akarkara leaves, Stevia leaves.	Dhamak
		"Isolation And Quantification Of High	
		Quality Genomic DNA From	
	Randive Rohan	Catharanthus roseus L. Plant By Agarose Gel	
39	Balkrishna	Electrophoresis"	Dr.A.P.Patel
		Isolation of high quality DNA from Mentha	
40	Risbud Ved Shriram	spicata leaves	Dr. A.P Patel
	Sadaphal Prajakta	Optimizing DNA isolation from medicinal	
41	Balasaheb	plant jasminum simbac	Dr.A. P. patel
		Formulation, Evaluation and Antibacterial	
40		activity of Herbal Ointment containing	D (1 D D)
42	Sadaphal Priya Ashok	Tinospora Cordifolia and Psidium Guajava.	Dr S.B Bhawar
		Formulation, Evaluation and Antibacterial	
42		activity of Herbal Ointment containing	D CDD
43	Sadaphal Priyanka Anil	Tinospora Cordifolia and Psidium Guajava.	Dr S.B Bhawar
	Calanda Di 1	Formulation and evaluation of antibacterial	Mars IZ XZ
4.4	Salunkhe Dhanashree	herbal toothpaste isolated from Gauva leaves,	Mrs.K.V.
44	Ramrao	Akarkara leaves, Stevia leaves.	Dhamak
45	Satpute Pankaj Bhausaheb	Pharmacognosy And Phytochemistry Of Tinospora Cordifolia	Prof. D.N.Vikhe
43	Salpute I alikaj Bilausalieb	Formulation, Evaluation and Antibacterial	1 101. D.IN. VIKIIC
		activity of Herbal Ointment containing	
46	Sayyed Alisha Ansar	Tinospora Cordifolia and Psidium Guajava."	Dr. S.B. Bawar
40	Sayyeu Alisha Alisar	A Study of Antibacterial Activity of the	DI. S.D. Dawai
47	Shelke Mohini Bhausaheb	leaves of Colocasia Esculenta Linn	Dr.S.D.Mankar
4/	Shelke Monin Dhausalled	leaves of Colocasia Esculenta Linii	רויסייזען אוואוווען.







Formulation, Evaluation and Antibacterial activity of Herbal Ointment containing 48 Shinde Sonali Minanath Tinospora Cordifolia and Psidium Guajava." Dr. S.B.Bhav Formulation and evaluation of polyherbal 49 Sonawane Pankaj Prakash anti aging cream. Dr.S.R. Vikh	war
48 Shinde Sonali Minanath Tinospora Cordifolia and Psidium Guajava." Dr. S.B.Bhav Formulation and evaluation of polyherbal anti aging cream. Dr.S.R. Vikh	war
Formulation and evaluation of polyherbal anti aging cream. Dr.S.R. Viki	war
49 Sonawane Pankaj Prakash anti aging cream. Dr.S.R. Vikh	
	ne
Extraction, Formulation and Evaluation of	
ointment exhibiting anti-microbial activity of	
50 Tambe Tejshri Laxman Mangifera Indica L. leave extract Mr.A.S. Dig	he
Extraction, Formulation and Evaluation of Mr.A.S. Dig	he
ointment exhibiting anti-microbial activity of	
51 Tamboli Avesh Aslam Mangifera Indica L. leave extract	
evaluation of herbal extraction of ecilipta Mr.A.S. Dig	he
52 Tawate Vinod Rajendra alba ointment	
Thombare Shailesh Role of markers in Standardization Of Herbal Mr.A.S. Dig	he
53 Rambhau Drugs	
Tonde Avishkar	
54 Shrikrushna Herbal Antiacne Face Powder Mr. S.D. Ma	gar
55 Turkane Arpita Sunil Herbal Antiacne Face Powder Mr. S.D. Ma	
Formulation and evaluation of herbal tablet	
of Jackfruit leaves for assessment of	
56 Unde Sahara Balasaheb Rheumatoid arthritis activity. Dr.S D Manl	car
Review study on solubility enhancement of	
Glimepiride by solid dispersion method Dr. Suhas	
57 Vikhe Rahul Balasaheb using PEG 6000 Siddheshwar	
Formulation and evaluation of aegle Dr.	
58 Vikhe Shraddha Rajendra marmelos syrup from fruit S.S.Siddhesh	ıwar
Review on Vinca rosea: As an potent Anti-	
60 Waditake Poonam Dada cancer Agent Mrs.N.M.Wa	ani
Review on Pomegranate Nutraceutical	
61 Waghe Raj Bhikaji Benifits of Human Health Mrs.N.M.Wa	ani
Wani Abhay Formulation of Polyherbal Cream using Mr.A.S. Dig	he
62 Bhimashankar extracts of Cymbopogan Citarus	
Warale Anurag Mr.A.S. Dig	he
63 Appasaheb TOPOISOMERASE: An Overview	
Warhade Vaishnavi A Review On Quality Control And Mr.A.S. Dig.	he
64 Ramesh Standardisation Of Herbals.	



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PRAVARA RURAL COLLEGE
OF PHARMACY

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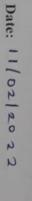
Seminar evaluation / assessment 2021-22Date: 11/2/2022 Practice School Project evaluation sheet:

External Examiner:	Name of Internal Examiner: Name of External E	
mr. Amel C. Sint		

S	4	w	2	-		Sr.
	Panjan	Parijune Braddha	Paralethi Shueta	Paradhi Anul		Name of students
		hall		Green demily & H		Topic
	22	22	PC		Methodology adopted (25M)	External mark
	t	292	201		Present of work (25M)	Exter
	15	45	45	(50M)	Communication skill&soft skill	
	8	20	8		Outcome (25M)	7. 6.
	5	5	5	& Attendance (15)	Practical work	Or. S. R. Vikhe
	10	10	70		Student Teacher Interactions(10M)	
	123	134	130		T ₀ (15(

Sign of Internal Examiner

Seminar evaluation / assessment 2021-22



PRAVARA RURAL COLLEGE
OF PHARMACY

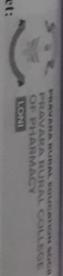
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Name of Internal Examiner: Mr. S. D. Magar

Name of External Examiner: Mrs. k.v. Dhomok

3 2 1	Sr.
Rohan Randive Ved Risbyd Sadaphol Projakto.	Name of students
Advance Herbord 19 Pharmaceurical Anology Pharmaceurical Anology Pharmaceurical Anology Pharmaceurical Anology 15	Topic
adopted (25M)	Methodology
of work (25M) 21 21 18	
skill & soft skill development (50M) 43 45	External marks Presentation Communication
25M) 210	Outcome
work &Attendance (15)	Interr
Teacher Interactions (10M) 0 9 0 9	Internal marks
128	Total (150 M)

Sign of Internal Examiner



Seminar evaluation / assessment 2021-22Date: 11/2/2021

Name of Internal Examiner: Name of External Examiner: Dr. Sway and R. Vikhe / Mr. Amol 5. Dighe.

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hypowersh	Bhimachanko	oby bod a	Ralebhat vaich	patel Airha mohan				Name of students
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23	23	22 40	23/44	22 40	(25M)	of work	Presentation	Exter
44	114	40	44	40	development (50M)	skill&soft skill	Methodology Presentation Communication	External marks
23	2]	22	22	20		(25M)	Outcome	
n n	70	23	<u>n</u>	10	&Attendance (15)	work	Practical	Inte
60	40	70	60	40		Interactions(10M)	Student Teacher	Internal marks
137.	124	126	137	120		M)	er (15)	To

Sign of Internal Examiner

Seminar evaluation / assessment 2021-22Date:

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Name of Internal Examiner: Name of External Examiner:

Name of students

アメチャムから のナるからかかい ハイ· S.D. Mantar PRAYARA RURAL COLLEGE
OF PHARMACY
LONI · Dr. R. J. Bhar

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		Rushikesh	Mane	Sakshi	rec	4041Ca	Manc			Name of students
		Rosine	Imidazole	ton plant	Hotos alkalos	MarcoHc Addicti	Narcotic &			Topic
		16		11	5	0		adopted (25M)	Methodology	
		20/		00		215		of work (25M)	Presentation	Exter
		40		300		40	(50M)	skill&soft skill development	Communication	External marks
		5		5		20		(25M)	Outcome	
		12		10		12	(15)	work &Attendance	Practical	Inter
	(0	+)		00		Interactions(10M)	Straden T	Internal marks
		=	0	3		=======================================		(ISO M)	Total	

Sign of Internal Examiner 7. J. Bhor

Seminar evaluation / assessment 2021-22 Practice School Project evaluation sheet:

Name of Internal Examiner: MY'S'D- Mankar

Name of students

Topic

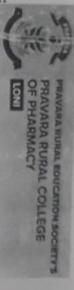


PRAVARA RURAL COLLEGE
OF PHARMACY

Date: 11/02/2022

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

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Seminar evaluation /

: 1	HORBITAL STATEMENT	2021-22Date: 11/02/2021	1/02/2	non-		文	txternal :-	1	
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	SI. Name of Students	Topic		Extern	External marks		Interna	Internal marks	Total
7	200		Methodology	Presentation	Communication	Outcome	Practical	Student Teacher	(150 M)
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Sign of Internal Examiner

Seminar evaluation / assessment 2021-22Date: 11/02/2022

Sr. Name of students

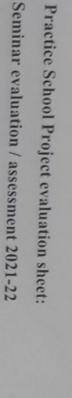
Topic

Name of Internal Examiner: Name of External Examiner: Internal: Dr. Suhas Siddheshwar External: Dr. Kiran Kotade.

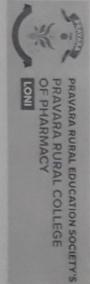
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		(\$)		18		-	9		20			(25M)	adopted	Methodology	
		1		20		1	50		24			(25M)		Present	
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	,		90	-		90		4	10			Interactions(10M)	Student Teacher	Internal marks	
	1	1	14	5		121		125				-	(ISO M)	Total	

Dr. Suhas Sidelheshwar) Sign of Internal Examiner

Sign of Exfernal Examiner
(Dx.K. B. Katada)



Name of Internal Examiner: Mrs. K. V. Dhanat.



Date: 11 /02/2022

Name of External Examiner: Mr-5. D-Magor

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		Solunke	Priyanka Sadaphai	Frya A.). Name of students
		Therapewic activity and uses of cinnomon on human Health	Advanced Herbal Technology	Phormaceutics.	Topic
		18	19.	רו	Methodology adopted (25M)
		20/	21	19	Exter Presentation of work (25M)
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		20	20	20	Outcome (25M)
		12	12	12	Practical work &Attendance (15)
		۵	9	9	Internal marks Il Student Teacher dance Interactions (10M)
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Sign of Internal Examiner

Seminar evaluation / assessment 2021-22 Practice School Project evaluation sheet:

Date: 11 02 2022.

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ign of Internal Examiner			Berbenhina.		odocendens (Gren)	P'Cognoon's Ant	Topic	Name of Internal Examiner: Mr. Oathapresond
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(m			9	46	47	of work skill & soft skill (25M) development (50M)	External marks Internal marks Total	Date: 11 02
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miner			9	00	09	Student Teacher Interactions (10M)	Mayum. 8	
0			99	181.	192	(IS0 M)	-Bhoo	

(Mr. Datapassed · I. Vikhe)



Seminars/Webinars/Training/ Workshops: JUNE 2021-DEC 2022

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	"Strategy for GPAT & NIPER Preparation"	16.08.2021	Pharm Elite, Mumbai	Mr.Aakash Nathani	S.Y, T.Y & Final year B.Pharm	UG-104	Students learn the basics things and how to prepare for GPAT.
2	"Career and Clinical Trials Data Analytics"	04.09.2021	Kite-Ai, Pune	Ms. Gayatri Shardul	T.Y.B.Pharm	UG-104	Students understand the advanced techniques of Clinical Research.
3	"GPAT & NIPER Preparation 2022"	18.09.2021	Dr. VVPF, College of Pharmacy, Viladghat, A.Nagar.	Mr.Vikrant Dhamak	S.Y, T.Y and Final Year.B.Pharm	UG-100	Students know the various tricks to solve GPAT Test.
4.	Career opportunities in Pharmaceutical Industry"	25.09.2021	Smartchem plus, Nashik.	Mr. Amol Gavande	S.Y, T.Y and Final Year.B.Pharm	UG-100	Students aware about the industry & it minimizes the gap between industry & Institution.

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5.	"Workshop on medical coding"	02.10.2021	IKS Healthcare Pvt.Ltd	Mr.Kiran Pawale	T.Y.& Final Year B.Pharm, M.Pharm	UG -90 PG-10	Students seeks the knowledge about medical coding
6.	"Recent advances in Granulation and Tableting technology"	15.10.2021	Alkem Lab Pvt.Ltd	Mr.Samadhan Mhaske	T.Y.& Final & PG.	UG-77	Students seeking knowledge about granulation techniques.
7.	"Biosimilars product development an overview"	23.10.2021	Enzene Bioscience Ltd	Mr.Prashant Kshirsagar	T.Y.& Final Year B.Pharm, M.Pharm	UG-85 PG- 10	Students learn about biosimilars.
8.	"Workshop on Personality Development"	25.11.2021	Jeevan sanjivani society, Wai, Satara	Mr.Rajesh Chavan	S.Y, T.Y and Final Year.B.Pharm	UG-127	Stuedents learn about the basic thing of personality development.
9.	"Tips & Tricks to crack GPAT & NIPER 2022"	11.12.2022	Astra zenca AB, Swedan	Mr. Harshad Jadhav	S.Y, T.Y and Final Year.B.Pharm	UG-106	Students understood about tips and tricks to solve GPAT & NIPER 2022.
10	"Conceptual learning in Pharmaceutics"	12.12.2021	Remedium Laboratories, Hydrabad	Dr. Srujan Kumar Reddy	S.Y, T.Y and Final Year.B.Pharm	UG-100	Students learn basic concept of pharmaceutics.

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11	"Importance of	04.01.2022	CLINI India	Mr. Vishal	S.Y, T.Y ,Final	UG-82	It gives idea about
	Profession ready			Chaudhari	Year.B.Pharm &	PG-08	importance of professional
	training and				M.Pharm		ready training & Placement
	placement program"						program.
12	"Career and Clinical	17.01.2022	Kite-Ai, Pune	Ms. Gayatri	S.Y, T.Y ,Final	UG-180	Students understand the
	Trials Data			Shardul	Year.B.Pharm &	PG-20	advanced techniques of
	Analytics"				M.Pharm		Clinical Research.
13	"GPAT & NIPER	25.01.2022	Academy of	Dr.	S.Y, T.Y ,Final	UG-230	Students learn about how to
	preparation 2022"		NIPER Aspirants	Machhindra	Year.B.Pharm		prepare for GPAT & NIPER
				Bochare			2022.
14	Aspects of IPR from	30.01.2022	Abbot India Pvt.	Mr.Swapnil	S.Y,T.Y.& Final Year	UG & PG-	Students learn about the
	pharmaceutical		Ltd.	Ghorpade	B.Pharm, M.Pharm	100	various aspects of IPR as
	Perspective						per pharmaceutical
	_						perspective.
15	Education	31.01.2022	Akshay Study	Mr. Amit Gore	S.Y,T.Y.& Final Year	UG -256	Students understand various
	opportunities abroad		Abroad		B.Pharm, M.Pharm	PG-31	exams regarding study at
	after Pharmacy		consultant				abroad.
16	"Career opportunities	06.02.2022	Troikaa	Mr.Pramod	S.Y,T.Y.& Final Year	UG & PG-	Student should get idea
	in pharmacy"		Pharmaceuticals,	Lahare	B.Pharm, M.Pharm	100	about different career
			Ahmedabad				opportunities in pharmacy.



17	Recent advances inPharmacovigilance and Medical Coding	08.03.2022	Elite Institute of Pharmacy Skills, Pune	Mrs.Archana Gawade	Third & Final Year B.Pharm	UG-110	Students understood the basic concepts of pharmacovigilance and
18	Tricks to solve GPAT paper	25.03.2022	SRTM, Nanded University	Mr. Shivprasad Tengale	Final Year B.Pharm	UG-40	medical coding. Students learn about how to prepare for GPAT & NIPER 2022.
19	Seminar on " Preparation of Competitive Exam MPSC/UPSC	27.04.2022	The Infinity Academy, Nashik	Mr. Sagar Hange	Third & Final Year B.Pharm	UG -100	Students learn about how to prepare for Competitive Examination.
20	Expert talk on "Placement Campaign"	11.05.2022	Avodha Edutech Pvt.Ltd	Mr.Nikhil Nagvanshi	S.Y,T.Y.& Final Year B.Pharm, M.Pharm	UG & PG- 86	Students learn basic things for how to attend interview.
21	"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.
22	"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"



23	"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.
24	"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.
25	"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.
26	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.
27	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.



28	"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.
29	"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.
30	"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.
31	10 days workshop on "skill development and soft skill training"		GTT foundation, Pune.	Ms. Ankita Joshi,	Final Year.B.Pharm	UG-70	Students should learn about basic things of soft skill and skill development.
32	"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.

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33	Webinar on "Aspects	26.11.2022	Bosum IP	Mr. Swapnil	B.Pharm/ M.Pharm	UG & PG-	Students should learn
	of IPR from Pharmaceutical			Ghorpade	students	100	various aspects of IPR from pharmaceutical perspective.
	Perspective"						
34	Seminar of Financial	16.11.2022	Excellence	Mr. Sachin	B.Pharm/ M.Pharm	UG-& PG-	Creating awareness in
	Wellness		Global Skills	Rane		102	students regarding financial
	management						wellness management.

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

Sr.	Name of the Activity	Date	Organized By
No			
	National Level Quiz Competition	24/09/2021	Online PRES' College pf
			pharmacy, Chincholi, Nashik
2.	State Level Quiz Competition	22/10/2021	Art, Science And Commerce
			college, Burhanpur, A. Nagar
3.	Innovative Formulation Idea	21/11/2021	Online. MET Institute of
	Competition		Pharmacy, Nashik
4.	State Level Elocution	18/12/2021	Shankarrao Ursal College Of
	Competition		Pharmacy, Khardi, Pune
5.	Annual Cultural Gathering	23/04/2022	College Campus
	"Panacea 2022"		
6.	Cultural Day 2k22	22-	Seminar Hall Pravara Rural
		22/04/2022	College of Pharmacy Loni
7.	Farewell Party Despedida 2022.	22/05/2022	Seminar Hall Pravara Rural
			College of Pharmacy Loni