



RAGU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam

Class: III/IV B.PHARMACY 1st SEM Commencement Classes: 06/12/2023
 Section: A Course Instruction: 25/04/2024
 Faculty Name: M.Yamini 1st Internal Date: Theory: 03/02/2024 Practical:
 Subject & Code: INDUSTRIAL PHARMACY BP502T,506P Theory: 04/04/2024 Practical:
 2nd Internal Date: Academic Year: 2023-2024

FACULTY WORKLOAD FOR THE ACADEMIC YEAR -2023 - 2024

Theory Workload

Day	9:00-10:00	10:00-10:50	10:50-11:40	11:40-12:30	12:30-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
Mon			Sec A						
Tue			Sec A		L				
Wed	Sec A				U				
Thur					N				
Fri					C				
Sat					H				
WORK LOAD :									

Practical Workload

Day	9:00-10:00	10:00-10:50	10:50-11:40	11:40-12:30	12:30-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
Mon					L				
Tue					U				
Wed					N		IP Batch II		
Thur					C				
Fri					H		IP Batch I		
Sat									
WORK LOAD :									

M.YAMINI

Subject Teacher Signature


Principal



Holidays:

Faculty Leaves list:

Work load Dates:

Theory Dates

Month	Mon	Tue	Wed	Thurs	Friday	Saturday
December	11.12.23	12.12.23	6.12.23			
	18.12.23	19.12.23	13.12.23			
		26.12.23	20.12.23			
January	1.1.24	2.1.24	27.12.23			
	8.1.24	9.1.24	3.1.24			
	22.1.24	23.1.24	10.1.24			
February			24.1.24			
	5.2.24	6.2.24	7.2.23			
	12.2.24	13.2.24	14.2.24			
	19.2.24	20.2.24	21.2.24			
March	26.2.24	27.2.24	28.2.24			
	4.3.24	5.3.24	6.3.24			
	11.3.24	12.3.24	13.3.24			
	18.3.24	19.3.24	20.3.24			
April		26.3.24	27.3.24			
	1.4.24	2.4.24	3.4.24			
	8.4.24	16.4.24	10.4.24			
	15.4.24	26.4.24	27.04.24			
	22.4.24					

Practical Dates

Month	Mon	Tue	Wed B-II	Thurs	Friday B-I	Saturday
December			6.12.23		8.12.23	
			13.12.23		14.12.23	
			20.12.23		21.12.23	
January			27.12.23		28.12.23	
			3.1.24		5.1.24	
			10.1.24		12.1.24	
February			24.1.24		19.1.24	
			31.4.24			
			7.2.24		2.2.24	
			14.2.24		9.2.24	
March			21.2.24		16.2.24	
			28.2.24		23.2.24	
			6.3.24		1.3.24	
			13.3.24		15.3.24	
April			20.3.24		22.3.24	
			27.3.24			
			3.4.24		12.04.24	
			10.4.24		19.4.24	
		24.4.24				



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Dakamarri, Bheemunipatnam Mandal, Visakhapatnam

Class: III/IV B.PHARMACY 1st SEM Commencement Classes: 06/12/2023

Section: B Course Instruction: 25/04/2024

Faculty Name M.Yamini Ist Internal Date: Theory: 03/02/2024 Practical:

Subject & Code: INDUSTRIAL PHARMACY BP502T,506P Theory: 04/04/2024 Practical:
IInd Internal Date: Academic Year: 2023-2024

FACULTY WORKLOAD FOR THE ACADEMIC YEAR -2023 - 2024

Theory Workload

Day	9:00-10:00	10:00-10:50	10:50-11:40	11:40-12:30	12:30-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
Mon									
Tue					L				
Wed					U				
Thur			Sec B		N				
Fri			Sec B		C				
Sat		Sec B			H				
WORK LOAD :									

Practical Workload

Day	9:00-10:00	10:00-10:50	10:50-11:40	11:40-12:30	12:30-1:00	1:00-1:50	1:50-2:40	2:40-3:30	3:30-4:20
Mon					L				
Tue					U				
Wed					N				
Thur					C		IP Batch II		
Fri					H				
Sat							IP Batch I		
WORK LOAD :									

M.YAMINI

Subject Teacher Signature


Principal

Holidays:

Faculty Leaves list:

Work load Dates:

Theory Dates						
Month	Mon	Tue	Wed	Thurs	Friday	Saturday
December				7.12.23	8.12.23	9.12.23
				14.12.23	15.12.23	16.12.23
				21.12.23	22.12.23	23.12.23
				28.12.23	29.12.23	30.12.23
January				4.1.24	5.1.24	6.1.24
				11.1.24	12.1.24	19.1.24
				20.1.24	25.1.24	27.1.24
February				1.2.24	2.2.24	13.2.24
				8.2.24	9.2.24	19.2.24
				15.2.24	16.2.24	24.2.24
				22.2.24	23.2.24	2.3.24
March				7.3.24	1.3.24	9.3.24
				14.3.24	15.3.24	16.23.24
				21.3.24	28.3.24	23.3.24
				28.3.24		20.3.24
April				4.4.24	5.4.24	6.4.24
				18.4.24	12.4.24	13.4.24
				21.4.24	19.4.24	20.4.24

Practical Dates						
Month	Mon	Tue	Wed	Thurs B-II	Friday	Saturday B-I
December				7.12.23		10.12.23
				14.12.23		17.12.23
				21.12.23		24.12.23
				28.12.23		31.12.23
January				4.1.24		7.1.24
				11.1.24		21.1.24
				18.1.24		28.1.24
				25.1.24		
February				1.2.24		9.2.24
				8.2.24		11.2.24
				15.2.24		18.2.24
				22.2.24		25.2.24
				29.2.24		
March				7.3.24		3.3.24
				14.3.24		17.3.24
				21.3.24		31.3.24
				28.3.24		
April				4.4.24		7.4.24
				18.4.24		21.4.24
				25.4.24		28.4.24



RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 531162

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

COURSE PLAN Sec A

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Lectures	Tutorials
BP502T	INDUSTRIAL PHARMACY	III/I	M.Yamini/ Asst professor	51	36	10

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which to be completed*
L1	Preformulation Introduction	CHALK & TALK	11-12-23
L2	Physical preformulation	CHALK & TALK	12-12-23
L3	Bulk characterization	CHALK & TALK	13-12-23
T1	TUTORIAL	REVISION	18-12-23
L4	Solubility studies	CHALK & TALK	19-12-23
L5	Stability studies	CHALK & TALK	20-12-23
L6	Chemical preformulation	CHALK & TALK	26-12-23
L7	BCS Classification and Significance	CHALK & TALK	27-12-23
T2	TUTORIAL	REVISION	1-1-24
L8	Application of preformulation considerations-- solid, liquid & parenterals and it's impact	CHALK & TALK	2-1-24
L9	Parenterals-definition,advantages,types& limitations	CHALK & TALK	3-1-24
L10	Preformulation factors &essential requirements	CHALK & TALK	8-1-24
T3	TUTORIAL	REVISION	9-1-24
L11	Vehicles, additives	CHALK & TALK	10-1-24
L12	Isotonicity and it's importance	CHALK & TALK	22-1-24

L13	Production procedure, facilities & controls, aseptic processing	CHALK & TALK	24-1-24
L14	I Mid examinations	REVISION	3-2-24
T4	TUTORIALS	REVISION	12-2-24
L15	Formulation of injections, sterile powders	CHALK & TALK	13-2-24
L16	LVP's & SVP's, Lyophilization	CHALK & TALK	14-2-24
L17	Containers and closures - selection, filling & sealing for vials, ampoules and infusion fluids	CHALK & TALK	19-2-24
L18	Quality control tests	CHALK & TALK	20-2-24
L19	Quality control tests	CHALK & TALK	21-2-24
L20	Ophthalmics - introduction & formulation - eye drops, eye ointments & eye lotions	CHALK & TALK	26-2-24
L21	Methods of preparation, labelling & evaluation	CHALK & TALK	27-2-24
L22	Pharmaceutical Aerosols definition, propellants	CHALK & TALK	28-2-24
L23	Containers & valves	CHALK & TALK	5-3-24
T5	TUTORIAL	REVISION	6-3-24
L24	Types of aerosol systems & formulation	CHALK & TALK	11-3-24
L25	Manufacture of Aerosols	CHALK & TALK	12-3-24
L26	Evaluation and quality control of Aerosols	CHALK & TALK	13-3-24
T6	TUTORIAL	REVISION	18-3-24
L27	Stability studies of aerosols	CHALK & TALK	19-3-24
L28	Packaging materials introduction	CHALK & TALK	20-3-24
L29	Materials used in packaging of pharmaceutical products	CHALK & TALK	26-3-24
T7	TUTORIAL	REVISION	27-3-24
L30	Factors influencing choice of Containers	CHALK & TALK	1-4-24
L31	Legal and official requirements for containers	CHALK & TALK	2-4-24
L32	Stability aspects and quality control tests	CHALK & TALK	3-4-24
L33	II Mid examinations	REVISION	4-4-24
T8	TUTORIAL	REVISION	10-4-24
L34	Revision	CHALK & TALK	15-4-24

	TUTORIAL	REVISION	16-4-24
	TUTORIAL	REVISION	22-4-24
1.35	Revision	CHALK & TALK	23-4-24
1.36	Revision	CHALK & TALK	24-4-24

H. Yanti
11/12/23

Signature of the Faculty Member

Signature of the Head

Date:

Date

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RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 531162

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

COURSE PLAN SET B

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Lectures	Tutorials
BP502T	INDUSTRIAL PHARMACY	III/I	M.Yamini/ Asst professor	55	43	10

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which to be completed*
L1	Preformulation Introduction	CHALK & TALK	7-12-23
L2	Physical preformulation	CHALK & TALK	8-12-23
L3	Bulk characterization	CHALK & TALK	9-12-23
T1	TUTORIAL	REVISION	14-12--23
L4	Solubility studies	CHALK & TALK	15-12--23
L5	Stability studies	CHALK & TALK	16-12-23
L6	Chemical preformulation	CHALK & TALK	21-12-23
L7	BCS Classification and Significance	CHALK & TALK	22-12-23
T2	TUTORIAL	REVISION	23-12-23
L8	Application of preformulation considerations-- solid, liquid & parenterals and it's impact	CHALK & TALK	28-12-23
L9	Parenterals-definition, advantages, types & limitations	CHALK & TALK	29 -12-23
L10	Preformulation factors & essential requirements	CHALK & TALK	30-12-23
T3	TUTORIAL	REVISION	4-1-24
L11	Vehicles, additives	CHALK & TALK	5-1-24
L12	Isotonicity and it's importance	CHALK & TALK	6-1-24

L13	Production procedure, facilities & controls, aseptic processing	CHALK & TALK	11-1-24
L14	Formulation of injections, sterile powders	REVISION	12-1-24
T4	TUTORIALS	REVISION	14-1-24
L15	LVP'S, SVP'S, Lyophilization	CHALK & TALK	20-1-24
L16	Containers and closures- selection, filling & sealing for vials, ampoules and infusion fluids	CHALK & TALK	25-1-24
L17	Quality control tests	CHALK & TALK	27-1-24
L18	Quality control tests	CHALK & TALK	1-2-24
L19	Ophthalmics - introduction & formulation - eye drops, eye ointments & eye lotions	CHALK & TALK	2-2-24
L20	I Mid examinations	REVISION	3-2-24
L21	Methods of preparation, labelling & evaluation	CHALK & TALK	8-2-24
L22	Pharmaceutical Aerosols definition, propellants	CHALK & TALK	9-2-24
L23	Containers & valves	CHALK & TALK	15-2-24
T5	TUTORIAL	REVISION	16-2-24
L24	Types of aerosol systems & formulation	CHALK & TALK	17-2-24
L25	Manufacture of Aerosols	CHALK & TALK	22-2-24
L26	Evaluation and quality control of Aerosols	CHALK & TALK	23-2-24
T6	TUTORIAL	REVISION	24-2-24
L27	Stability studies of aerosols	CHALK & TALK	29-2-24
L28	Packaging materials introduction	CHALK & TALK	1-3-24
L29	Materials used in packaging of pharmaceutical products	CHALK & TALK	2-3-24
T7	TUTORIAL	REVISION	7-3-24
L30	Factors influencing choice of Containers	CHALK & TALK	14-3-24
L31	Legal and official requirements for containers	CHALK & TALK	15-3-24
L32	Stability aspects and quality control tests	CHALK & TALK	16-3-24
L33	Stability aspects and quality control tests	CHALK & TALK	21-3-24
T8	TUTORIAL	REVISION	22-3-24
L34	Revision	CHALK & TALK	23-3-24

	TUTORIAL	REVISION	28-3-24
	TUTORIAL	REVISION	28-3-24
L35	Revision	CHALK & TALK	30-3-24
L36	II Mid examinations	REVISION	4-4-24
L37	Revision	CHALK & TALK	5-4-24
L38	Revision	CHALK & TALK	6-4-24
L39	Revision	CHALK & TALK	12-4-24
L40	Revision	CHALK & TALK	18-4-24
L41	Revision	CHALK & TALK	19-4-24
L42	Revision	CHALK & TALK	20-4-24
L43	Revision	CHALK & TALK	25-4-24

M. Yousif
11/12/23

Signature of the Faculty Member

Date:

Signature of the Head

Date

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COURSE PLAN INDUSTRIAL PHARMACY –PRACTICAL(BATCH I) Section A

s.no.	Name of the experiment	Date
1	PREFORMULATION STUDIES ON PARACETAMOL	8-12-23
2	PREFORMULATION STUDIES ON ASPIRIN AND OTHER DRUGS	14-12-23
3	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	21-12-23
4	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	28-12-23
5	COATING OF TABLETS –FILM COATING OF TABLETS	5-1-24
6	PREPARATION AND EVALUATION OF TETRACYCLINE CAPSULES	12-1-24
7	PREPARATION OF CALCIUM GLUCONATE INJECTION	19-1-24
8	PREPARATION OF ASCORBIC ACID INJECTION	2-2-24
9	QUALITY CONTROL TESTS OF MARKETED TABLETS	9-2-24
10	QUALITY CONTROL TESTS OF MARKETED CAPSULES	16-2-24
11	PREPARATION OF EYE DROPS	23-2-24
12	PREPARATION OF EYE OINTMENTS	1-3-24
13	PREPARATION OF COLD CREAM	15-3-24
14	PREPARATION OF VANISHING CREAM	22-3-24
15	EVALUATION OF GLASS CONTAINERS	12-3-24
16	<i>PREPARATION OF DUMMY GRANULES</i>	19-3-24
17	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	19-4-24

INTERNAL SIGNATURE

PRINCIPAL



COURSE PLAN INDUSTRIAL PHARMACY – PRACTICAL (BATCH II) Section A

s.no.	Name of the experiment	Date
1	PREFORMULATION STUDIES ON PARACETAMOL	6-12-23
2	PREFORMULATION STUDIES ON ASPIRIN AND OTHER DRUGS	13-12-23
3	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	20-12-23
4	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	27-12-23
5	COATING OF TABLETS – FILM COATING OF TABLETS	3-1-24
6	PREPARATION AND EVALUATION OF TETRACYCLINE CAPSULES	10-1-24
7	PREPARATION OF CALCIUM GLUCONATE INJECTION	24-1-24
8	PREPARATION OF ASCORBIC ACID INJECTION	31-1-24
9	QUALITY CONTROL TESTS OF MARKETED TABLETS	7-2-24
10	QUALITY CONTROL TESTS OF MARKETED CAPSULES	14-2-24
11	PREPARATION OF EYE DROPS	21-2-24
12	PREPARATION OF EYE OINTMENTS	28-3-24
13	PREPARATION OF COLD CREAM	6-3-24
14	PREPARATION OF VANISHING CREAM	13-3-24
15	EVALUATION OF GLASS CONTAINERS	20-3-24
16	<i>PREPARATION OF DUMMY GRANULES</i>	27-3-24
17	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	3-4-24
18	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	10-4-24
19	<i>REVISION</i>	24-4-24

INTERNAL SIGNATURE

PRINCIPAL



COURSE PLAN INDUSTRIAL PHARMACY –PRACTICAL(BATCH I) Section B

s.no.	Name of the experiment	Date
1	PREFORMULATION STUDIES ON PARACETAMOL	10-12-23
2	PREFORMULATION STUDIES ON ASPIRIN AND OTHER DRUGS	17-12-23
3	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	24-12-23
4	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	31-12-23
5	COATING OF TABLETS –FILM COATING OF TABLETS	7-1-23
6	PREPARATION AND EVALUATION OF TETRACYCLINE CAPSULES	21-1-23
7	PREPARATION OF CALCIUM GLUCONATE INJECTION	28-1-23
8	PREPARATION OF ASCORBIC ACID INJECTION	11-1-24
9	QUALITY CONTROL TESTS OF MARKETED TABLETS	14-1-24
10	QUALITY CONTROL TESTS OF MARKETED CAPSULES	25-1-24
11	PREPARATION OF EYE DROPS	9-2-24
12	PREPARATION OF EYE OINTMENTS	11-2-24
13	PREPARATION OF COLD CREAM	18-2-24
14	PREPARATION OF VANISHING CREAM	25-2-24
15	EVALUATION OF GLASS CONTAINERS	3-3-24
16	<i>PREPARATION OF DUMMY GRANULES</i>	17-3-24
17	<i>PREPARATION OF DUMMY GRANULES</i>	31-3-24
18	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	7-4-24
19	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	21-4-24
20	<i>REVISION</i>	28-4-24

INTERNAL SIGNATURE

PRINCIPAL



COURSE PLAN INDUSTRIAL PHARMACY – PRACTICAL (BATCH II) Section B

s.no.	Name of the experiment	Date
1	PREFORMULATION STUDIES ON PARACETAMOL	7-12-23
2	PREFORMULATION STUDIES ON ASPIRIN AND OTHER DRUGS	14-12-23
3	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	21-12-23
4	PREPARATION AND EVALUATION OF PARACETAMOL TABLETS	28-12-23
5	COATING OF TABLETS –FILM COATING OF TABLETS	4-1-23
6	PREPARATION AND EVALUATION OF TETRACYCLINE CAPSULES	11-1-23
7	PREPARATION OF CALCIUM GLUCONATE INJECTION	18-1-23
8	PREPARATION OF ASCORBIC ACID INJECTION	25-1-24
9	QUALITY CONTROL TESTS OF MARKETED TABLETS	1-2-24
10	QUALITY CONTROL TESTS OF MARKETED CAPSULES	8-2-24
11	PREPARATION OF EYE DROPS	15-2-24
12	PREPARATION OF EYE OINTMENTS	22-2-24
13	PREPARATION OF COLD CREAM	29-2-24
14	PREPARATION OF VANISHING CREAM	25-2-24
15	EVALUATION OF GLASS CONTAINERS	7-3-24
16	<i>PREPARATION OF DUMMY GRANULES</i>	<i>14-3-24</i>
17	<i>PREPARATION OF DUMMY GRANULES</i>	<i>21-3-24</i>
18	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	<i>28-4-24</i>
19	<i>PREPARATION AND EVALUATION OF ASPIRIN TABLETS</i>	<i>4-4-24</i>
20	<i>REVISION</i>	<i>18-4-24</i>
21	<i>REVISION</i>	<i>25-4-24</i>

