



# RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 521162.

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

**COURSE PLAN**- One copy to be submitted to the HOD one week before commencement of the Semester

## Section-B

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Lectures	Tutorials
BP 503T	PHARMACOLOGY II	III/II	Dr. Swathi. PProfessor, HOD. Navya Manyala Assistant Professor	57	56	15

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which completed *
L1	Hemodynamics of the Heart	CHALK & TALK	06.12.2023
L2	Electrophysiology of the heart	CHALK & TALK	08.12.2023
L3	Pharmacology of drugs used in congestive heart failure	CHALK & TALK	09.12.2023
<b>T1</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>11.12.2023</b>
L4	Pharmacology of drugs used in congestive heart failure	CHALK & TALK	12.12.2023
L5	Pharmacology of Anti-hypertensive drug	CHALK & TALK	13.12.2023
L6	Pharmacology of Anti-hypertensive drug	CHALK & TALK	14.12.2023
L7	Pharmacology of Anti-anginal drugs.	CHALK & TALK	15.12.2023
<b>T2</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>16.12.2023</b>
L8	Pharmacology of Anti-anginal drugs.	CHALK & TALK	18.12.2023
L9	Pharmacology of Anti-arrhythmic drugs	CHALK & TALK	19.12.2023
L10	Pharmacology of Anti-arrhythmic drugs	CHALK & TALK	20.12.2023
<b>T3</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>22.12.2023</b>
L11	Pharmacology of Anti-hyperlipidemic drugs	CHALK & TALK	23.12.2023
L12	Pharmacology of Anti-hyperlipidemic drugs	CHALK & TALK	24.12.2023
L13	Drug used in the therapy of shock	CHALK & TALK	25.12.2023
L14	Pharmacology of Hematinics	CHALK & TALK	26.12.2023
<b>T4</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>27.12.2023</b>



L15	Pharmacology of coagulants	CHALK & TALK	29.12.2023
L16	Pharmacology of anticoagulants.	CHALK & TALK	30.12.2023
L17	Pharmacology of Fibrinolytics	CHALK & TALK	02.01.2024
L18	Pharmacology of anti-platelet drugs	CHALK & TALK	03.01.2024
<b>T5</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>05.01.2024</b>
L19	Plasma volume expanders	CHALK & TALK	06.01.2024
L20	Pharmacology of Diuretics	CHALK & TALK	08.01.2024
L21	Pharmacology of Diuretics	CHALK & TALK	09.01.2024
L22	Pharmacology of Anti-diuretics	CHALK & TALK	10.01.2024
<b>T6</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>12.01.2024</b>
L23	Introduction to autacoids	CHALK & TALK	16.01.2024
L24	Pharmacology of Histamine and Histamine antagonists	CHALK & TALK	19.01.2024
L25	Pharmacology of 5-HT and 5-HT antagonists	CHALK & TALK	20.01.2024
L26	Pharmacology of Prostaglandins	CHALK & TALK	22.01.2024
<b>T7</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>23.01.2024</b>
L27	Pharmacology of Thromboxane and Leukotrienes.	CHALK & TALK	24.01.2024
L28	Pharmacology of Angiotensin,	CHALK & TALK	27.01.2024
L29	Pharmacology of Bradykinin and Substance P.	CHALK & TALK	29.01.2024
<b>T8</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>30.01.2024</b>
L30	Non-steroidal anti-inflammatory agents	CHALK & TALK	31.01.2024
L31	Non-steroidal anti-inflammatory agents	CHALK & TALK	02.02.2024
	<b>SESSIONAL - I</b>	<b>Preparation</b>	<b>03.02.2024</b>
L32	Anti-gout drugs	CHALK & TALK	16.02.2024
L33	Anti-gout drugs	CHALK & TALK	17.02.2024
L34	Antirheumatic drugs	CHALK & TALK	19.02.2024
L35	Antirheumatic drugs	CHALK & TALK	20.02.2024
<b>T9</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>21.02.2024</b>
L36	Basic concepts in endocrine pharmacology	CHALK & TALK	23.02.2024
L37	Anterior Pituitary hormones - analogues	CHALK & TALK	24.02.2023
L38	Anterior Pituitary hormones - inhibitors	CHALK & TALK	26.02.2024
L39	Thyroid hormones - analogues	CHALK & TALK	27.02.2024
<b>T10</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>28.02.2024</b>
L40	Thyroid hormones - inhibitors	CHALK & TALK	01.03.2024



L41	Hormones regulating plasma calcium level- Parathormone, Calcitonin	CHALK & TALK	02.03.2024
L42	Vitamin-D	CHALK & TALK	04.03.2024
L43	Pharmacology of Insulin	CHALK & TALK	05.03.2024
<b>T11</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>06.03.2024</b>
L44	Pharmacology of Oral Hypoglycemic agents	CHALK & TALK	11.03.2024
L45	Pharmacology of Oral Hypoglycemic agents and glucagon.	CHALK & TALK	12.03.2024
L46	Pharmacology of ACTH and corticosteroids	CHALK & TALK	13.03.2024
<b>T12</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>15.03.2024</b>
L47	Pharmacology of Androgens and Anabolic steroids	CHALK & TALK	16.03.2024
L48	Pharmacology of Estrogens, progesterone	CHALK & TALK	18.03.2024
L49	oral contraceptives	CHALK & TALK	19.03.2024
L50	Drugs acting on the uterus	CHALK & TALK	20.03.2024
<b>T13</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>22.03.2024</b>
L51	Principles, applications of bioassays	CHALK & TALK	23.04.2024
L52	Types of bioassays	CHALK & TALK	25.04.2024
L53	Bioassay of insulin and oxytocin.	CHALK & TALK	26.04.2024
<b>T14</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>27.03.2024</b>
L54	Bioassay of vasopressin and ACTH.	CHALK & TALK	30.03.2024
L55	Bioassay of tubocurarine and digitalis.	CHALK & TALK	01.04.2024
L56	Bioassay of histamine and 5-HT	CHALK & TALK	02.04.2024
<b>T15</b>	<b>TUTORIAL</b>	<b>Handouts</b>	<b>03.04.2024</b>
	<b>SESSIONAL - II</b>	<b>Preparation</b>	<b>04.04.2024</b>
	<b>Revision</b>	<b>Preparation</b>	<b>19.04.2024</b>
	<b>Revision</b>	<b>Preparation</b>	<b>20.04.2024</b>
	<b>Revision</b>	<b>Preparation</b>	<b>22.04.2024</b>
	<b>Revision</b>	<b>Preparation</b>	<b>23.04.2024</b>
	<b>Revision</b>	<b>Preparation</b>	<b>24.04.2024</b>

*Savitri Patil*

M. Narayana

Signature of the Faculty Member

Date:

*Jayashree Patil*

Signature of the Head

Date:



# RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 521162.

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

**COURSE PLAN**- One copy to be submitted to the HOD one week before commencement of the Semester

## BATCH – I

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Practicals	Tutorials
BP 507P	PHARMACOL OGY – II	III/I SEC-B	Navya Manyala (Assistant professor)	28	15	03

S.no.	Name of the experiment	Date
1	Introduction to in-vitro pharmacology and physiological salt solutions.	12.12.23
2	Effect of drugs on isolated frog heart.	19.12.23
3	Effect of drugs on blood pressure and heart rate of dog.	26.12.23
4	Study of diuretic activity of drugs using rats/mice.	02.01.24
5	DRC of acetylcholine using frog rectus abdominis muscle.	09.01.24
6	Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.	16.01.24
7	Bioassay of histamine using guinea pig ileum by matching method.	23.01.24
8	Bioassay of oxytocin using rat uterine horn by interpolation method.	30.01.24
9	Bioassay of serotonin using rat fundus strip by three point bioassay.	06.02.24



10	Bioassay of acetylcholine using rat ileum/colon by four point bioassay.	13.02.24
11	Determination of PA <sub>2</sub> value of prazosin using rat anococcygeus muscle (by Schild's plot method).	20.02.24
12	Determination of PD <sub>2</sub> value using guinea pig ileum.	05.03.24
13	Effect of spasmogens and spasmolytics using rabbit jejunum.	12.03.24
14	Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.	19.03.24
15	Analgesic activity of drug using central and peripheral methods	26.03.24
16	<b>Revision</b>	02.04.24
17	<b>Revision</b>	16.04.24
18	<b>Revision</b>	23.04.24

*Dr. Aranya*

**INTERNAL SIGNATURE**

**SIGNATURE OF THE HEAD**



# RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 521162.

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

**COURSE PLAN-** One copy to be submitted to the HOD one week before commencement of the Semester

## BATCH – II

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Practicals	Tutorials
BP 507 P	PHARMACOL OGY – II	III/I SEC-B	Navya Manyala (Assistant professor)	27	15	01

S.no.	Name of the experiment	Date
1	Introduction to in-vitro pharmacology and physiological salt solutions.	09.12.23
2	Effect of drugs on isolated frog heart.	16.12.23
3	Effect of drugs on blood pressure and heart rate of dog.	23.12.23
4	Study of diuretic activity of drugs using rats/mice.	30.12.23
5	DRC of acetylcholine using frog rectus abdominis muscle.	06.01.24
6	Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.	20.01.24
7	Bioassay of histamine using guinea pig ileum by matching method.	27.01.24
8	Bioassay of oxytocin using rat uterine horn by interpolation method.	03.02.24
9	Bioassay of serotonin using rat fundus strip by three point bioassay.	17.02.24
10	Bioassay of acetylcholine using rat ileum/colon by four point bioassay.	24.02.24
11	Determination of PA <sub>2</sub> value of prazosin using rat anococcygeus muscle (by Schilds plot method).	02.03.24
12	Determination of PD <sub>2</sub> value using guinea pig ileum.	16.03.24

13	Effect of spasmogens and spasmolytics using rabbit jejunum.	23.03.24
14	Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.	30.03.24
15	Analgesic activity of drug using central and peripheral methods	06.04.24
16	<b>Revision</b>	20.04.24

*M. Atayen*

INTERNAL SIGNATURE

*Franklin B.*

SIGNATURE OF THE HEAD