



# RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam – 531162.

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

## COURSE PLAN Section A

Subject Code	Name of the Subject	Class / Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Lectures	Tutorials
BP405-T	PHARMACOGNOSY AND PHYTOCHEMISTRY-I	III/II	B.Ratna Deepthi assoc professor	52	49	15

Lecture No.	Topic	E.T. Gadgets used. if any (LCD/OHP/ Charts/Models)	Date on which completed*
L1	classification of drugs - alphabetical	CHALK & TALK	27-6-23
L2	classification of drugs - morphological	CHALK & TALK	28-6-23
L3	classification of drugs - taxonomical	CHALK & TALK	29-6-23
L4	classification of drugs - pharmacological	CHALK & TALK	4-7-23
L5	Classification of drugs - chemical	CHALK & TALK	5-7-23
L6	<b>Chemo and sero taxonomical classification of drugs</b>	CHALK & TALK	6-7-23
L7	Chemo and sero taxonomical classification of drugs	CHALK & TALK	11-7-23
L8	Adulteration of drugs of natural origin	CHALK & TALK	12-7-23
T1	Tutorial	REVISION	13-7-23
L10	evaluation of drugs by organoleptic methods and properties	CHALK & TALK	18-7-23
L11	evaluation of drugs by microscopic methods and properties	CHALK & TALK	19-7-23
L12	evaluation of drugs by physical methods and properties	CHALK & TALK	20-7-23
L13	evaluation of drugs by chemical methods and properties	CHALK & TALK	25-7-23

L14	evaluation of drugs by biological methods and properties	CHALK & TALK	26-7-23
L15	quantitative microscopy of crude drugs	CHALK & TALK	27-7-23
L16	<b>quantitative microscopy of crude drugs</b>	CHALK & TALK	1-8-23
L17	Plant hormones and their applications	CHALK & TALK	2-8-23
L18	Plant hormones and their applications	CHALK & TALK	3-8-23
T2	Tutorial	REVISION	8-8-23
L20	Polyploidy	CHALK & TALK	9-8-23
L21	mutation, hybridization	CHALK & TALK	10-8-23
T3	Tutorial	CHALK & TALK	15-8-23
L23	Historical development of plant tissue culture	CHALK & TALK	16-8-23
L24	Historical development of plant tissue culture	CHALK & TALK	17-8-23
T4	Tutorial	CHALK & TALK	29-8-23
L26	nutritional requirements and growth of cultures	CHALK & TALK	30-8-23
L27	<b>maintenance of cultures</b>	CHALK & TALK	31-8-23
T5	Tutorial	REVISION	5-9-23
L29	applications of plant tissue culture in pharmacognosy	CHALK & TALK	6-9-23
L30	applications of plant tissue culture in pharmacognosy	CHALK & TALK	12-9-23
L31	Edible vaccines	CHALK & TALK	13-9-23
L32	<b>Edible vaccines</b>	CHALK & TALK	14-9-23
L33	introduction to secondary metabolites	CHALK & TALK	20-9-23
L34	Tests for identification of alkaloids, glycosides	CHALK & TALK	21-9-23
L35	Tests for identification of flavonoids, tannins	CHALK & TALK	26-9-23
L36	Tests for identification of volatile oils and resins	CHALK & TALK	27-9-23
T6	Tutorial	REVISION	4-10-23
L38	<b>Plant products -hallucinogens</b>	CHALK & TALK	5-10-23
L39	<b>Plant products -teratogens</b>	CHALK & TALK	10-10-23
L40	<b>Plant products -natural allergens</b>	CHALK & TALK	11-10-23
L41	Primary metabolites - introduction, sources	CHALK & TALK	12-10-23
L42	preparation and evaluation	CHALK & TALK	17-10-23
L43	Preservation, storage and therapeutic uses	CHALK & TALK	18-10-23
T7	Tutorial	CHALK & TALK	19-10-23

L45	carbohydrates - tragacanth , honey	CHALK & TALK	26-10-23
T8	Tutorial	CHALK & TALK	30-10-23
L47	Proteolytic enzymes - papain, bromelian	CHALK & TALK	31-10-23
L48	Proteolytic enzymes - Serratiopeptidase, urokinase.	CHALK & TALK	7-11-23
L49	Proteins and enzymes - streptokinase, pepsin	CHALK & TALK	8-11-23
T10	Tutorial	REVISION	9-11-23

*B. Ratna Deepthi*

Signature of the Faculty Member

Date:

  
Signature of the Head

Date



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COURSE PLAN 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
BP405-T	PHARMACOGNOSY AND PHYTOCHEMISTRY-I	II/IV	B.Ratna Deepthi ASSOC Professor	55	45	10

Lecture No.	Topic	E.T. Gadgets used, if any (LCD/OHP/Charts/Models)	Date on which completed*
L1	classification of drugs - alphabetical	CHALK & TALK	26-6-23
L2	classification of drugs - morphological	CHALK & TALK	30-6-23
L3	classification of drugs - chemical and taxonomical	CHALK & TALK	1-7-23
L4	classification of drugs - pharmacological	CHALK & TALK	3-7-23
T1	Tutorial	CHALK & TALK	7-7-23
L6	<b>Chemo and sero taxonomical classification of drugs</b>	CHALK & TALK	10-7-23
L7	Chemo and sero taxonomical classification of drugs	CHALK & TALK	14-7-23
L8	Adulteration of drugs of natural origin		15-7-23
L9	evaluation of drugs by organoleptic methods and properties	CHALK & TALK	17-7-23
L10	evaluation of drugs by microscopic methods and properties	CHALK & TALK	21-7-23
L11	evaluation of drugs by physical methods and properties	CHALK & TALK	22-7-23
L12	evaluation of drugs by chemical methods and properties	CHALK & TALK	24-7-23
L13	evaluation of drugs by biological methods and properties	CHALK & TALK	28-7-23

L14	quantitative microscopy of crude drugs	CHALK & TALK	31-7-23
L15	quantitative microscopy of crude drugs	CHALK & TALK	4-8-23
L16	Plant hormones and their applications	CHALK & TALK	5-8-23
L17	Plant hormones and their applications	CHALK & TALK	7-8-23
T2	Tutorial	CHALK & TALK	11-8-23
L19	mutation, Polyploidy	CHALK & TALK	14-8-23
L20	Hybridization	CHALK & TALK	18-8-23
L22	Historical development of plant tissue culture	CHALK & TALK	19-8-23
L23	Historical development of plant tissue culture	CHALK & TALK	26-8-23
T3	Tutorial	CHALK & TALK	28-8-23
L25	nutritional requirements and growth of cultures	CHALK & TALK	1-9-23
L26	<b>maintenance of cultures</b>	CHALK & TALK	2-9-23
T4	Tutorial	REVISION	4-9-23
L28	applications of plant tissue culture in pharmacognosy	CHALK & TALK	8-9-23
T5	Tutorial	CHALK & TALK	11-9-23
L30	Edible vaccines	CHALK & TALK	15-9-23
T6	<b>Tutorial</b>	CHALK & TALK	16-9-23
L32	introduction to secondary metabolites	CHALK & TALK	18-9-23
L33	Tests for identification of alkaloids, glycosides	CHALK & TALK	22-9-23
L34	Tests for identification of flavonoids, tannins	CHALK & TALK	23-9-23
L35	Tests for identification of volatile oils and resins	CHALK & TALK	25-9-23
L36	<b>Plant products -hallucinogens</b>	CHALK & TALK	29-9-23
L37	<b>Plant products -teratogens</b>	CHALK & TALK	30-9-23
L38	<b>Plant products -natural allergens</b>	CHALK & TALK	6-10-23
L39	Primary metabolites - introduction, sources	CHALK & TALK	7-10-23
L40	preparation and evaluation	CHALK & TALK	9-10-23
L41	Preservation, storage and therapeutic uses	CHALK & TALK	13-10-23
T7	Tutorial	CHALK & TALK	16-10-23
L43	carbohydrates - tragacanth, honey	CHALK & TALK	27-10-23
T9	Tutorial	CHALK & TALK	28-10-23
L45	Proteolytic enzymes - papain, bromelian, serratiopeptidase, gelatin, casein, urokinase, pepsin	CHALK & TALK	30-10-23

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Tutorial

CHALK & TALK

10-11-23

*B. Ratne Deepak*

Signature of the Faculty Member

Date:

*[Signature]*

Signature of the Head

Date

**COURSE PLAN - PHARMACOGNOSY -PRACTICAL(SECTION A) BATCH-I**

s.no.	Name of the experiment	Date
1	COMPOUND MICROSCOPE	28-6-23
2	ANALYSIS OF TRAGACANTH BY CHEMICAL TESTS	5-7-23
3	ANALYSIS OF ACACIA BY CHEMICAL TESTS	5-7-23
4	ANALYSIS OF AGAR BY CHEMICAL TESTS	5-7-23
5	ANALYSIS OF GELATIN BY CHEMICAL TESTS	5-7-23
6	ANALYSIS OF STARCH BY CHEMICAL TESTS	5-7-23
7	ANALYSIS OF HONEY BY CHEMICAL TESTS	12-7-23
8	ANALYSIS OF CASTOR OIL BY CHEMICAL TESTS	12-7-23
9	DETERMINATION OF STOMATAL NUMBER	19-7-23
10	DETERMINATION OF STOMATAL INDEX	26-7-23
11	DETERMINATION OF VEINISLET NUMBER	2-8-23
12	DETERMINATION OF VEINTERMINATION NUMBER	9-8-23
13	DETERMINATION OF PALISADE RATIO	18-8-23
14	<b>MEASUREMENT OF STARCH GRAINS IN POWDERED CRUDE DRUG</b>	30-8-23
15	DETERMINATION OF DIMENSIONS OF CALCIUM OXALATE CRYSTALS IN POWDERED CRUDE DRUG	6-9-23
16	<b>MEASUREMENT OF THE WIDTH OF PHLOEM FIBRES IN POWDERED CRUDE DRUG</b>	13-9-23
17	DETERMINATION OF QUANTITATIVE MICROSCOPY- LYCOPODIUM SPORE METHOD	20-9-23
18	DETERMINATION OF ASH VALUES OF A CRUDE DRUG	27-9-23
19	DETERMINATION OF EXTRACTIVE VALUES OF A CRUDE DRUG	4-10-23
20	DETERMINATION OF MOISTURE CONTENT OF A CRUDE DRUG	11-10-23
21	DETERMINATION OF SWELLING FACTOR OF A CRUDE DRUG	18-10-23
22	DETERMINATION OF FOAMING INDEX OF A CRUDE DRUG	8-11-23

INTERNAL SIGNATURE

PRINCIPAL

**COURSE PLAN - PHARMACOGNOSY - PRACTICAL (SECTION B) BATCH-II**

s.no.	Name of the experiment	Date
1	COMPOUND MICROSCOPE	26-6-23
2	ANALYSIS OF TRAGACANTH BY CHEMICAL TESTS	3-7-23
3	ANALYSIS OF ACACIA BY CHEMICAL TESTS	3-7-23
4	ANALYSIS OF AGAR BY CHEMICAL TESTS	3-7-23
5	ANALYSIS OF GELATIN BY CHEMICAL TESTS	3-7-23
6	ANALYSIS OF STARCH BY CHEMICAL TESTS	3-7-23
7	ANALYSIS OF HONEY BY CHEMICAL TESTS	10-7-23
8	ANALYSIS OF CASTOR OIL BY CHEMICAL TESTS	10-7-23
9	DETERMINATION OF STOMATAL NUMBER	17-7-23
10	DETERMINATION OF STOMATAL INDEX	24-7-23
11	DETERMINATION OF VEINISLET NUMBER	31-7-23
12	DETERMINATION OF VEINTERMINATION NUMBER	7-8-23
13	DETERMINATION OF PALISADE RATIO	14-8-23
14	<b>MEASUREMENT OF STARCH GRAINS IN POWDERED CRUDE DRUG</b>	28-8-23
15	DETERMINATION OF DIMENSIONS OF CALCIUM OXALATE CRYSTALS IN POWDERED CRUDE DRUG	4-9-23
16	<b>MEASUREMENT OF THE WIDTH OF PHLOEM FIBRES IN POWDERED CRUDE DRUG</b>	11-9-23
17	DETERMINATION OF QUANTITATIVE MICROSCOPY- LYCOPODIUM SPORE METHOD	18-9-23
18	DETERMINATION OF ASH VALUES OF A CRUDE DRUG	25-9-23



19	DETERMINATION OF EXTRACTIVE VALUES OF A CRUDE DRUG	9-10-23
20	DETERMINATION OF MOISTURE CONTENT OF A CRUDE DRUG	16-10-23
21	DETERMINATION OF SWELLING FACTOR OF A CRUDE DRUG	30-10-23
22	DETERMINATION OF FOAMING INDEX OF A CRUDE DRUG	6-11-23

*B. Ratna Deepthi*  
INTERNAL SIGNATURE

  
PRINCIPAL