

RAGHU COLLEGE OF PHARMACY

Dakamarri, Bheemunipatnam Mandal, Visakhapatnam - 531162.

(Affiliated to ANDHRA UNIVERSITY, VISAKHAPATNAM)

COURSE PLAN Section A

Subject	Name of the	Class/ Name of the Facu Semester Designation		No. of	Total periods per Semester / Year	
Code			Designation		Lectures	Tutorials
BP405-T	PHARMACOGN OSY AND PHYTOCHEMIS TRY-1	10/0	B.Ratna Deepthi	52	49	15

Lecture No.	Topic	E.T. Gadgets used. if any (LCD/OHP/ Charts/Models)	Date on which completed*
LI	classification of drugs - alphabetical	CHALK & TALK	27-6-23
L2	classification of drugs - morphological	CHALK & TALK	28-6-23
L.3	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	Chemo and sero taxonomical classification of drugs	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
	evaluation of drugs by microscopic methods and properties	CHALK & TALK	19-7-23
1.12	evaluation of drugs by physical methods and properties	CHALK & TALK	20-7-23
1.13	evaluation of drugs by chemical methods and properties	CHALK & TALK	25-7-23

L14	evaluation of drugs by biological methods and	CHALK & TALK	26-7-23
L15	quantitative microscopy of crude drugs	CHALK & TALK	27-7-23
.16	quantitative microscopy of crude drugs	CHALK & TALK	1-8-23
17	Plant hormones and their applications	CHALK & TALK	2-8-23
L18	Plant hormones and their applications	CHALK & TALK	3-8-23
Τ2	Tutorial	REVISION	8-8-23
L20	Polyploidy	CHALK & TALK	9-8-23
L21	mutation, hybridization	CHALK & TALK	10-8-23
Т3	Tutorial	CHALK & TALK	15-8-23
L.23	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
126	nutritional requirements and growth of cultures	CHALK & TALK	30-8-23
1.27	maintenance of cultures	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	Edible vaccines	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
1.38		CHALK & TALK	5-10-23
1.39		CHALK & TALK	10-10-23
1.40		CHALK & TALK	11-10-23
L41		CHALK & TALK	12-10-23
L42		CHALK & TALK	17-10-23
1.43		CHALK & TALK	18-10-23
Т7		CHALK & TALK	19-10-23

145 .	carbohydrates - tragacanth , honey	CHALK & TALK	26-10-23
T8		CHALK & TALK	30-10-23
L47	the state of the s	CHALK & TALK	31-10-23
L48	Proteolytic enzymes - Serratiopeptidase, urokinase,	The second secon	7-11-23
	the second secon	CHALK & TALK	8-11-23
L49 T10	and the sure of th	REVISION	9-11-23

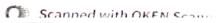
B. Ratha Deeptli Signature of the Faculty Member

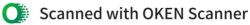
Date:

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 period / Year Lectures	Is per Semester Tutorials
BP405-T	PHARMACOGN OSY AND PHYTOCHEMIS TRY-I	H/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*
LI	classification of drugs - alphabetical	CHALK & TALK	26-6-23
1.2	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	Chemo and sero taxonomical classification of drugs	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
	evaluation of drugs by physical methods and properties	CHALK & TALK	22-7-23
	evaluation of drugs by chemical methods and properties	CHALK & TALK	24-7-23
-13	evaluation of drugs by biological methods and	CHALK & TALK	28-7-23



£1.14	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
Т3	Tutorial	CHALK & TALK	28-8-23
L25	nutritional requirements and growth of cultures	CHALK & TALK	1-9-23
1.26	maintenance of cultures	CHALK & TALK	2-9-23
T4	Tutorial	REVISION	4-9-23
1.28	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	Tutorial	CHALK & TALK	16-9-23
1.32	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	Plant products -hallucinogens	CHALK & TALK	29-9-23
L37	Plant products -teratogens	CHALK & TALK	30-9-23
L38	Plant products -natural allergens	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
17	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

Tutorial

CHALK & TALK

10-11-23

B. Ratue Deep &C. Signature of the Faculty Member

Date:

Signature of the Head

Date

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

s.no.	Name of the experiment	Date
l	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	DETERMINATIONOFPALISADE RATIO	18-8-23
14	MEASUREMENT OF STARCH GRAINS IN POWDERED CRUDE DRUG	30-8-23
15	DETERMINATION OF DIMENSIONS OF CALCIUM OXALATE CRYSTALS IN POWERED CRUDE DRUG	6-9-23
16	MEASUREMENT OF THE WIDTH OF PHLOEM FIBRES IN POWDERED CRUDE DRUG	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 CRUD EDRUG	4-10-23
20	DETERMINATION OF MOISTURE CONTENT OF A CRUDE DRUG	11-10-23
21	DETERMINATION OF SWELLING FACTOR OF ACRUDE DRUG	18-10-23
22	DETERMINATION OF FOAMING INDEX OF A CRUDE DRUG	8-11-23

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

s.no.	Name of the experiment	Date
l	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	DETERMINATIONOFPALISADE RÀTIO	14-8-23
14	MEASUREMENT OF STARCH GRAINS IN POWDERED CRUDE DRUG	28-8-23
15	DETERMINATION OF DIMENSIONS OF CALCIUM OXALATE CRYSTALS IN POWERED CRUDE DRUG	4-9-23
16	MEASUREMENT OF THE WIDTH OF PHLOEM FIBRES IN POWDERED CRUDE DRUG	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 CRUD EDRUG	9-10-23
20	DETERMINATION OF MOISTURE CONTENT OF A CRUDE DRUG	16-10-23
21	DETERMINATION OF SWELLING FACTOR OF ACRUDE DRUG	30-10-23
22	DETERMINATION OF FOAMING INDEX OF A CRUDE DRUG	6-11-23

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