



RAGU COLLEGE OF PHARMACY
Dakamarri, Bheemunipatnam Mandal, Visakhapatnam

Class: 2nd Pharm

Commencement Classes:

Section: B

Course Instruction:

Faculty Name Y. Renuka Ist Internal Date: 22/07/24 Theory: 27/7/24

Practical: 30/7/24

Subject & Code Pharmacognosy IInd Internal Date: 3/10/24 Theory: 8/10/24
BP 405T

Practical: 10/10/24

Academic Year: 2023-2024

FACULTY WORKLOAD FOR THE ACADEMIC YEAR -2023 - 2024

Theory Workload

Day	9:30-10:00	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		P. Cognosy		
Tue	P. Cognosy				U				
Wed		P. Cognosy			N				
Thur			P. Cognosy		C				
Fri					H				
Sat							P. Cognosy		
WORK LOAD:	10 hrs								

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	← pharmacognosy - I Batch - I →								
Tue					L				
Wed					U				
Thur					N				
Fri	← pharmacognosy - I Batch - II →				C				
Sat					H				
WORK LOAD:									

Y. Renuka 17/5/24
Subject Teacher Signature


Principal

Holidays:
 Faculty Leaves list:
 Work load Dates:

Theory Dates

Month	Mon	Tue	Wed	Thurs	Friday	Saturday
May	6/5/24 14/5/24	7/5/24 15/5/24	8/5/24	9/5/24		11/5/24
June	3/6/24 10/6/24 24/6/24	4/6/24 11/6/24 18/6/24 25/6/24	5/6/24 12/6/24 19/6/24 26/6/24	6/6/24 13/6/24 20/6/24 27/6/24		8/6/24 15/6/24 22/6/24 29/6/24
July	1/7/24 8/7/24 15/7/24 22/7/24 29/7/24	2/7/24 9/7/24 16/7/24 23/7/24 30/7/24	3/7/24 10/7/24 24/7/24 31/7/24	4/7/24 11/7/24 18/7/24 25/7/24		6/7/24 13/7/24 20/7/24 27/7/24
August	5/8/24 12/8/24 19/8/24 26/8/24	6/8/24 13/8/24 20/8/24 27/8/24	7/8/24 14/8/24 21/8/24 28/8/24	1/9/24 8/8/24 22/8/24 29/8/24		3/8/24 10/8/24 17/8/24 24/8/24 31/8/24
Sep	2/9/24 9/9/24 16/9/24 23/9/24	3/9/24 10/9/24 17/9/24 24/9/24	4/9/24 11/9/24 18/9/24 25/9/24	5/9/24 12/9/24 19/9/24 26/9/24		10/9/24 21/9/24 28/9/24
Oct	7/10/24	11/10/24 18/10/24	9/10/24			5/10/24

Practical Dates

Month	Mon	Tue	Wed	Thurs	Friday	Saturday
May	6/5/24 14/5/24				10/5/24 7/6/24 14/6/24	
June	3/6/24 10/6/24 24/6/24				21/6/24 28/6/24 5/7/24 12/7/24	
July	1/7/24 8/7/24 15/7/24 22/7/24 29/7/24				19/7/24 26/7/24 2/8/24 9/8/24	
August	5/8/24 12/8/24 19/8/24 26/8/24				16/8/24 23/8/24 30/8/24 6/9/24 20/9/24 27/9/24 4/10/24	
Sep	2/9/24 9/9/24 23/9/24 30/9/24					
Oct	7/10/24					



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Dakamarri, Bheemunipatnam (Mandalam), Visakhapatnam - 531 162.

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

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year	
					Lectures	Tutorials
BP405T	PHARMA COGNOSY AND PHYTO CHEMISTY-I	II/II Sec-B	Y.RENUKA	53	53	15

Week No.	Lecture No.	Topic	gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which completed*
01	L1	Introduction to Pharmacognosy	Chalk &Board	06-5-2024
	L2	Definition, history, scope and	Chalk &Board	06-5-2024
	L3	development of Pharmacognosy	Chalk &Board	07-5-2024
	T01	Tutorials	Hand outs	08-5-2024
	L4	Sources of Drugs – Plants, Animals, Marine & Tissue culture	Chalk &Board	09-5-2024
	T02	Tutorials	Hand outs	11-5-2024
02	L5	Organized drugs, unorganized drugs (dried latex, dried juices, dried extracts,	Chalk &Board	14-5-2024
	L6	gums and mucilages, oleoresins and oleo- gum -resins	Chalk &Board	15-5-2024
	L7	Classification of drugs Alphabetical, morphological, taxonomical,	Chalk &Board	10-6-2024
	L8	Classification of drugs chemical, pharmacological, chemo and sero taxonomical	Chalk &Board	11-6-2024
	T03	Tutorials	Hand outs	12-6-2024
03	L9	Quality control of Drugs of Natural Origin	Chalk &Board	13-6-2024

	L10	Adulteration of drugs of natural origin	Chalk &Board	15-6-2024
	L11	Evaluation by organoleptic, microscopic, physical	Chalk &Board	18-6-2024
	L12	chemical and biological methods and properties	Chalk &Board	19-6-2024
	T04	Tutorials	Hand outs	20-6-2024
04	L13	Quantitative microscopy of crude drugs including lycopodium spore method	Chalk &Board	22-6-2024
	T05	Tutorials	Hand outs	25-6-2024
	L14	Cultivation, Collection, Processing and storage of drugs of natural origin	Chalk &Board	26-6-2024
	L15	Cultivation and Collection of drugs of natural origin	Chalk &Board	27-6-2024
05	L16	Factors influencing cultivation of medicinal plants	Chalk &Board	29-6-2024
	L17	Plant hormones and their applications	Chalk &Board	01-7-2024
	L18	Polyploidy, mutation and hybridization with reference to medicinal plants	Chalk &Board	02-7-2024
06	L19	Conservation of medicinal plants	Chalk &Board	03-7-2024
	L20	Plant tissue culture	Chalk &Board	04-7-2024
	L21	Historical development of plant tissue culture,	Chalk &Board	06-7-2024
	T06	Tutorials	Hand outs	08-7-2024
07	L22	types of cultures, Nutritional requirements, growth and their maintenance.	Chalk &Board	09-7-2024
	L23	Applications of plant tissue culture in pharmacognosy.	Chalk &Board	10-7-2024
	L24	Edible vaccines	Chalk &Board	11-7-2024
	L25	Pharmacognosy in various systems of medicine:	Chalk &Board	13-7-2024
	T07	Tutorials	Hand outs	15-7-2024
	08	L26	Role of Pharmacognosy in allopathy and traditional systems of medicine namely	Chalk &Board
L27		Ayurveda, Unani, Siddha, Homeopathy and Chinese systems of medicine.	Chalk &Board	18-7-2024
L28		Introduction to secondary metabolites	Chalk &Board	20-7-2024
		SESSIONAL 1(theory)		27-7-2024
		SESSIONAL 1(practical)		30-7-2024
L29		Definition, classification, properties	Chalk &Board	03-8-2024
T08		Tutorials	Hand outs	05-8-2024
09		L30	test for identification of Alkaloids, Glycosides, Flavonoids, Tannins, Volatile oil and Resins	Chalk &Board
	L31	Study of biological source, chemical nature and uses of drugs of natural origin containing following drugs	Chalk &Board	07-8-2024
	L32	Plant Products	Chalk &Board	08-8-2024
	L33	Fibers - Cotton, Jute, Hemp	Chalk &Board	10-8-2024

	T09	Tutorials	Hand outs	12-8-2024
10	L34	Hallucinogens, Teratogens, Natural allergens	Chalk &Board	13-8-2024
	L35	Primary metabolites	Chalk &Board	14-8-2024
	L36	General introduction, detailed study with respect to chemistry	Chalk &Board	17-8-2024
	L37	General introduction, detailed study with respect to chemistry	Chalk &Board	19-8-2024
	T10	Tutorials	Hand outs	20-8-2024
11	L38	commercial utility as Pharmaceutical Aids	Chalk &Board	21-8-2024
	L39	Medicines for the following Primary metabolites	Chalk &Board	22-8-2024
	L40		Chalk &Board	24-8-2024
	L41	Carbohydrates: Acacia, Agar, Tragacanth, Honey	Chalk &Board	26-8-2024
	L42	Proteins and Enzymes :		27-8-2024
10	L43	Gelatin, casein, proteolytic enzymes ().	Chalk &Board	28-8-2024
	T11	Tutorials	Chalk &Board	29-8-2024
	L44	Papain, bromelain,	Hand outs	30-8-2024
	L45	serratiopeptidase, urokinase,	Chalk &Board	02-9-2024
	T12	Tutorials	Hand outs	03-9-2024
11	L46	streptokinase, pepsin Lipids	Chalk &Board	04-9-2024
	L47	Waxes, fats, fixed oils Castor oil,	Chalk &Board	05-9-2024
	L48	Chaulmoogra oil Wool Fat, Bees Wax	Chalk &Board	09-9-2024
	L49	Marine Drugs	Chalk &Board	10-9-2024
	T13	Tutorials	Hand outs	11-9-2024
	L50	Novel medicinal agents from marine sources	Chalk &Board	12-9-2024
	T14	Tutorials	Hand outs	21-9-2024
	L51	Novel medicinal agents from marine sources	Chalk &Board	23-9-2024
	T15	Tutorials	Hand outs	24-9-2024
	L52	Revision	Hand outs	26-9-2024
	L53	Revision	Hand outs	30-9-2024
		SESSIONAL 1(theory)		08-10-2024
		SESSIONAL 1(practical)		10-10-2024

Y. Renuka
Signature of the Faculty Member

Date: 17/5/24

J. Jagadeesh Babu
Signature of the Principal

Date:



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COURSE PLAN

Subject Code	Name of the Subject	Class/ Semester	Name of the Faculty/ Designation	No. of Students	Total periods per Semester / Year
					Batch-I 18 Batch-II 18
BP408P	PHARMA COGNOSY AND PHYTO CHEMISTRY-I	II/II Section-B B-I & II	Y.RENUKA	B-I 25 B-II 25	

BATCH-I

Week No.	Practical No.	Topic	gadgets used, if any (LCD/OHP/ Charts/Models)	Date on which completed*
1	1	Analysis of crude drugs by chemical tests: Tragacanth ,Acacia ,Agar	Lab manual	06-5-2024
2	2	Analysis of crude drugs by chemical tests: Gelatin , starch , Honey ,Castor oil	Lab manual	03-6-2024
3	3	Determination of stomatal number and index	Lab manual	10-6-2024
4	4	Determination of vein islet number, vein islet termination and palisade ratio.	Lab manual	24-6-2024
5	5	Determination of size of starch grains, calcium oxalate crystals by eye piece micrometer	Lab manual	01-7-2024
6	6	Determination of Fiber length and width	Lab manual	08-7-2024
7	7	Determination of number of starch grains by Lycopodium spore method	Lab manual	15-7-2024
8	8	Determination of Ash value	Lab manual	22-6-2024

9	9	Determination of Extractive values of crude drugs	Lab manual	29-6-2024
10	10	Determination of moisture content of crude drugs	Lab manual	05-8-2024
11	11	Determination of swelling index and foaming	Lab manual	12-8-2024

BATCH-II

Week No.	Practical No.	Topic	gadgets used, if any (LCD/OHP/Charts/Models)	Date on which completed*
1	1	Analysis of crude drugs by chemical tests: Tragacanth, Acacia, Agar	Lab manual	10-05-2024
2	2	Analysis of crude drugs by chemical tests: Gelatin, starch, Honey, Castor oil	Lab manual	14-06-2024
3	3	Determination of stomatal number and index	Lab manual	21-06-2024
4	4	Determination of vein islet number, vein islet termination and palisade ratio.	Lab manual	28-06-2024
5	5	Determination of size of starch grains, calcium oxalate crystals by eye piece micrometer	Lab manual	05-07-2024
6	6	Determination of Fiber length and width	Lab manual	12-07-2024
7	7	Determination of number of starch grains by Lycopodium spore method	Lab manual	19-07-2024
8	8	Determination of Ash value	Lab manual	26-07-2024
9	9	Determination of Extractive values of crude drugs	Lab manual	02-08-2024
10	10	Determination of moisture content of crude drugs	Lab manual	09-08-2024
11	11	Determination of swelling index and foaming	Lab manual	23-08-2024

Y. Ranuka 17/5/24
Signature of the Faculty Member

Date: 17/5/24


Signature of the Principal

Date: