



College Code: 1706

# RBVRR WOMEN'S COLLEGE OF PHARMACY

# 3-4-343, Barkathpura, Hyderabad - 500 027 (T.S), India

Office: +91 40-27563065, Mobile: +91 9848930555

(Approved by PCI & Affiliated to Osmania University)

Recognized under Section 2(f) of the UGC Act 1956

EAMCET Code: RBVW PGCET Code: RBVW1

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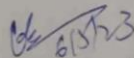
## RBVRR Women's College of Pharmacy


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
Barkatpura, Hyderabad - 500 027.


### CIRCULAR

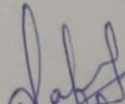
This is to inform that there is a Department meeting in the committee room at 3.00 pm on 6/5/2023. The faculty members of Department of Pharmaceutical Chemistry should attend the meeting without fail.

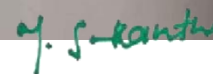
  
6/5/23  
HOD, Dept. of  
Pharmaceutical Chemistry

  
6/5/23

  
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6/5/2023

  
6/5/23



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### Teaching staff Meeting

(Ph, Chemistry Department)

#### AGENDA

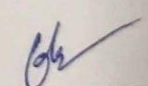
1. Allotment of subjects for the next academic year.
2. Professional development of staff, motivated to attend conferences, write review articles.
3. Completion of co-po calculations.

#### Minutes of meeting

The staff meeting was convened by the HOD with the agenda mentioned above and resolved the

Following issues:

1. M. Pharm, B. Pharm and Pharm D subjects are allotted to the concern faculty.
2. Approached IICT Director Dr. D. Srinivasa Reddy to conduct guest lecture in the month of December.
3. Faculty informed they will complete the co-po calculations.

  
HOD, Dept of Ph. Chemistry

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## WORKLOAD

### Work load 2022-2023 Department of Pharmaceutical Chemistry 1<sup>st</sup> Semester

Name of the faculty	Course	Subjects	Theory Hours	Practical Hours	Total Load
Dr. M. Vijayabhargavi	M.Pharm B.Pharm	Adv. Organic Chemistry –I Medicinal Chemistry - II	4+8	12	24
Mrs. V. Padmaja	Pharm D B.Pharm M.Pharm	Medicinal Chemistry Ph.Organic Chemistry –II (Sec-A) CNP	4+4+4	3+8	23
Mrs. P. Archana	Pharm D B.Pharm	Medicinal Bio-Chemistry Ph.Organic Chemistry –II (Sec-B)	4+4	3+8	19
Mrs.Sajida	Pharm D B.Pharm	Inorganic Chemistry Ph.Inorganic Chemistry (Sec-A)	4+4	3+8	19
Mrs.Mariya	Pharm D B.Pharm	Ph.organic Chemistry Ph.Inorganic Chemistry (Sec-B)	4+4	3+8	19

*M. S. Kanth*

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## Work load 2022-2023 Department of Pharmaceutical Chemistry 2<sup>nd</sup> Semester

Name of the faculty	Course	Subjects	Theory Hours	Practical Hours	Total Load
Dr. M. Vijayabhargavi	M.Pharm B.Pharm	Adv. Organic Chemistry –II Medicinal Chemistry – III (Sec-A)	4+4	12 + 8	28
Mrs. V. Padmaja	B.Pharm Pharm D M.Pharm	Medicinal Chemistry – III (Sec-B) Medicinal Chemistry Adv.Spectral Analysis	4+4+4	8+3	23
Mrs. P. Archana	Pharm D	Medicinal Bio-Chemistry Medicinal Chemistry - I Ph.Organic Chemistry –III (Sec-A&B)- For 3 weeks	4+8	3+8	23hr/week
Mrs.Sajida	Pharm D B.Pharm	Inorganic Chemistry Ph.organic Chemistry (Sec-A) Medicinal Chemistry -I (Practical -secA) Ph.OrganicChemistry –III (Sec-A&B)- For 2 weeks	4+4	3+8+8	27hrs/week
Mrs.Mariya	Pharm D B.Pharm	Ph.organic Chemistry Ph.organic Chemistry (Sec-B)	4+4	3+8	19

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## Work load 22-23 Department of pharmaceutics 1<sup>st</sup> semester

Name of the faculty	Subjects	Theory Hours	Practical Hours	Total Load
Dr.A.Krishna sailaja	Regulatory affairs Research methodology Biostatistics and research methodology PharmD Pharmaceutics	11	4	15
Dr.G.Umarani	Modern pharmaceutics Jurisprudence Clinical Pharmacokinetics and pharmacotherapeutics drug monitoring	11	6	17
Dr.KV Ratnamala	Drugdelivery pharmaceutics Jurisprudence	8	10	22
Dr.MP Kusuma	Cellular and molecular pharmacology Pharmaceutical microbiology	12	16	28
Mrs.Aparna	Pharmaceutical engineering Pharmaceutical microbiology	11	19	30
Ms.Harshin	PP1 BPPK	12	20	32
Mrs.Anusree	Pharmaceutics Pharmaceutical formulations	11	11	22
Prasanna Lakshmi	IP2 Hospital Pharmacy	11		11
Afreen sultana	IP-1	8	8	16

*M. S. Kantu*

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## Work load 22-23 Department of pharmaceutics 2<sup>nd</sup> semester

Name of the faculty	Subjects	Theory Hours	Practical Hours	Total Load
Dr.A.Krishna sailaja	Molecular Pharmaceutics CAAD Biostatistics and research methodology	11	0	11
Dr.G.Umaran	Advanced BPPK Cosmetic science Clinical Pharmacokinetics and pharmaco therapeutics drug monitoring	12	6	18
Dr.KV Ratnamala	Cosmetics BPPK(PharmD) QA	12	6	18
Dr.MP Kusuma	Pharmaceutical Biotechnology Pharmacy Practice	12	16	28
Mrs.Aparna	PP2 Pharmaceutical microbiology	11	19	30
Ms.Harshin	EVS BPPK	10	4	14
Mrs.Anusree	Computer applications Pharmaceutical formulations	11	11	22
Prasanna Lakshmi	Hospital Pharmacy Social and preventive pharmacy Biostatistics and research methodology	10	3	13
Afreen sultana	Herbal drug technology	8	8	16

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# **LESSON PLAN**



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### LESSON PLAN

Academic year: 2022-2023

Name of the program :B.Pharmacy

Year: V Sem

Name of the subject: MC-II

Course/subject code: **BP501T**

Name of the faculty: Dr. M. Vijayabhargavi

Designation: Assoc. Professor

Department: Pharmaceutical Chemistry

#### **Text books referred:**

T 1: Wilson and Gisvold's Textbook of Organic Medicinal and Pharmaceutical chemistry, John H.Block, John M.Beale 11 th edition

T 2: Foye's Principles of Medicinal chemistry, Thomas L.Lemke, David A.Williams, 7 th Edition/ South Asian Edition

T 3: Pharmacology, H.P. Rang and M.M.Dale, 7 th Edition

T 4: Essentials of Medicinal chemistry Korolkovas, 2 nd Edition

T 5: An introduction to medicinal chemistry 4 th Edition Graham L. Patrick

T 6: Principles of Pharmacology, H.L.Sharma and K.K.Sharma

T 7: A textbook of Medicinal Chemistry (vol-II), Surenda N. pandeya

T 8: A textbook of Medicinal Chemistry (vol-I), Surenda N. pandeya

T 9: Medicinal chemistry, AshutoshKar, 4 th Edition.

T 10: Principles of medicinal chemistry, volume-I by S.S. Kadam

T 11: Principles of medicinal chemistry, volume-II by S.S. Kadam

**Objectives:** Upon completion of the subject the student shall be able to

1. Understand the chemistry of drugs with respect to their pharmacological activity
2. Understand the drug metabolic pathways, adverse effect and therapeutic value of drugs
3. Know the Structural Activity Relationship of different class of drugs.
4. Study the chemical synthesis of selected drugs

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Unit no	Lesson no	Date of Lecture	No. of periods	Name of the topic	Mode of Teaching	PO
1	1	6-12-2022	1	Histamine, receptors and their distribution in the human body, classification	Chalk and board	PO1,PO2, PO3,PO6, PO11
		8-12-2022	1	H <sub>1</sub> -antagonists – First generation- synthesis, Structures, MOA, uses and side effects.	Chalk and board	
		9-12-2022	1	H <sub>1</sub> -antagonists – second generation Structures, MOA, uses and side effects.	Chalk and board	
		12-12-2022	1	H <sub>2</sub> -antagonists Structures, MOA, uses and side effects.	Chalk and board	
	2	13-12-2022	1	Gastric Proton pump inhibitors Structures, MOA, uses and side effects.	Chalk and board	
	3	15-12-2022	1	Anti-neoplastic agents– Introduction, classification	Chalk and board	
		17-12-2022	1	Alkylating agents- Structures, MOA, uses and side effects.	Chalk and board	
		19-12-2022	1	Antimetabolites- definition Structures, MOA, uses and side effects.	Chalk and board	
		20-12-2022	1	Pyrimidine antagonists - synthesis, Structures, MOA, uses and side effects.	Chalk and board	
		24-12-2022	1	Purine antagonists - synthesis, Structures, MOA, uses and side effects.	Chalk and board	
		27-12-2022	1	Anticancer Antibiotics Structures, MOA, uses and side effects.	Chalk and board	
		29-12-2022	1	Plant products and Miscellaneous Structures, MOA, uses and side effects.	Chalk and board	
2	4	2-1-2023	1	Anti-hypertensive Agents Introduction, classification	Chalk and board	PO1, PO2,PO3, PO6
		3-1-2023	1	Alpha and beta blockers Structures, MOA, uses and side effects	Chalk and board	
	5	5-1-2023		Vasodilators-Structures, MOA, uses and side effects	Chalk and board	

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		7-1-2023	1	Calcium channel blockers- synthesis of nifedipine, Structures, MOA, uses and side effects	Chalk and board	
		9-1-2023	1	Test on anticancer agents classification	Chalk and board	
		10-1-2023	1	Calcium channel blockers - Structures, MOA, uses and side effects	Chalk and board	
	6	12-1-2023	1	Diuretics- Structures, MOA, uses and side effects	Chalk and board	
		17-1-2023	1	Carbonic anhydrase inhibitors - Structures, MOA, uses and side effects	Chalk and board	
		19-1-2023	<u>1</u>	Thiazide diuretics - Structures, MOA, uses and side effects	Chalk and board	
		21-1-2023	1	Loop diuretics - Structures, MOA, uses and side effects	Chalk and board	
3	7	23-1-2023	1	Anti-arrhythmic Drugs - Introduction	Chalk and board	PO1,PO2, PO3,PO6
		24-1-2023	1	Classification, MOA, SAR	Chalk and board	
		28-1-2023	2	Disopyramide phosphate- synthesis Phenytoin sodium, Lidocaine hydrochloride, Tocainide hydrochloride,- structures, MoA, uses and side effects	Chalk and board	
		30-1-2023	1	Mexiletine hydrochloride, Lorcaïnide hydrochloride, Amiodarone, Sotalol- structures, uses and side effects	Chalk and board	
	8	31-1-2023	<u>1</u>	Anti-hyperlipidemicagents	Chalk and board	
		7-2-2023	1	Statins, fibrates, resins- structures, MoA, uses and side effects	Chalk and board	
	9	11-2-2023	1	Coagulant	Chalk and board	
	10	13-2-2023	1	Anticoagulants	Chalk and board	
	11	14-2-2023	1	Drugs used in Congestive Heart Failure	Chalk and board	
4	12	16-2-2023	1	Nomenclature, Stereochemistry and metabolism of steroids	Chalk and board	PO1,PO2, PO3,PO6
		20-2-2023	1	Sex hormones	Chalk and board	

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		21-2-2023	1	Oestrogen and progestins	Chalk and board	
	13	23-2-2023	1	Drugs for the treatment of erectile dysfunction	Chalk and board	
	14	24-2-2023	1	Oral contraceptives	Chalk and board	
	15	25-2-2023	1	Corticosteroids	Chalk and board	
	16	27-2-2023	1	Thyroid agents	Chalk and board	
	17	28-2-2023	1	Antithyroid drugs	Chalk and board	
5	18	2-3-2023	1	Antidiabetic agents – Introduction, classification, Insulin and its preparations	Chalk and board	PO1,PO2, PO3,PO6
		4-3-2023	1	SulfonylUreas: Tolbutamide synthesis, Chlorpropamide, Glipizide, Glimepiride- structures, MoA, uses and side effects	Chalk and board	
		6-3-2023	1	Biguanides: Metformin- structures, MoA, uses and side effects	Chalk and board	
	19	8-3-2023	1	Local anesthetics-Introduction, classification	Chalk and board	
		9-3-2023	2	Benzoic Acid derivatives, Amino Benzoic acid derivatives	Chalk and board	
		10-3-2023	2	SAR of Local anesthetics	Chalk and board	
		13-3-2023	1	Anilide derivatives, Miscellaneous agents	Chalk and board	
		14-3-2023	1	Question papers discussed	Chalk and board	

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