

ACY 2020 - 2021

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**ACADEMIC CALENDAR 2020-21**

**For All Constituent & Affiliated Colleges of JNTUH**

**B. Tech./B.Pharm. I Year I & II Semesters**

(Online Classes)

**B. Tech./B.Pharm. I Year - I Semester**

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Orientation Programme		01.12.2020
2	1 <sup>st</sup> Spell of Instructions	01.12.2020	23.01.2021 (8 Weeks)
3	First Mid Term Examinations	25.01.2021	30.01.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		06.02.2021
5	Parent-Teacher Meeting		12.02.2021
6	2 <sup>nd</sup> Spell of Instructions	01.02.2021	27.03.2021 (8 Weeks)
7	Second Mid Term Examinations (including public holidays)	29.03.2021	06.04.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	07.04.2021	12.04.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		12.04.2021
10	End Semester Examinations	15.04.2021	29.04.2021 (2 Weeks)

**B. Tech./ B.Pharm. I Year - II Semester**

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork		30.04.2021
2	1 <sup>st</sup> Spell of Instructions	30.04.2021	24.06.2021 (8 Weeks)
3	First Mid Term Examinations	25.06.2021	30.06.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		05.07.2021
5	Parent-Teacher Meeting		09.07.2021
6	2 <sup>nd</sup> Spell of Instructions	01.07.2021	25.08.2021 (8 Weeks)
7	Second Mid Term Examinations	26.08.2021	01.09.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	02.09.2021	08.09.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		08.09.2021
10	End Semester Examinations	09.09.2021	22.09.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.



REGISTRAR

PRINCIPAL

**SRI INDU INSTITUTE OF PHARMACY**  
 Sheriguda (V), Ibrahimpatnam (M),  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**Academic Calendar (2020-21)**  
**For All Constituent & Affiliated Colleges of JNTUH**  
**M.Tech. / M.Pharm. I Year - I & II Semesters**

**M.Tech./ M. Pharm. I Year - I Semester**

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Induction Programme	<b>16.12.2020</b>	
2	1 <sup>st</sup> Spell of Instructions	16.12.2020	06.02.2021 (8 Weeks)
3	First Mid Term Examinations	08.02.2021	13.02.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	20.02.2021	
5	2 <sup>nd</sup> Spell of Instructions	15.02.2021	10.04.2021 (8 Weeks)
6	Second Mid Term Examinations	12.04.2021	17.04.2021 (1 Week)
7	Practical classes	19.04.2021	24.04.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	24.04.2021	
9	Preparation Holidays and Practical Examinations	26.04.2021	01.05.2021 (1 Week)
10	End Semester Examinations	03.05.2021	15.05.2021 (2 Weeks)

**M.Tech./ M.Pharm. I Year - II Semester**

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	<b>17.05.2021</b>	
2	1 <sup>st</sup> Spell of Instructions	17.05.2021	10.07.2021 (8 Weeks)
3	First Mid Term Examinations	12.07.2021	17.07.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	24.07.2021	
5	2 <sup>nd</sup> Spell of Instructions	19.07.2021	11.09.2021 (8 Weeks)
6	Second Mid Term Examinations	13.09.2021	18.09.2021 (1 Week)
7	Preparation Holidays and Practical Examinations	20.09.2021	25.09.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	25.09.2021	
9	End Semester Examinations	27.09.2021	09.10.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.

Sd/- xxxx  
 Director, Academic & Planning



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Academic Calendar 2020-21

Pharm. D (Regular) and Pharm.D (PB) I Year

Pharm. D (Regular) and Pharm.D (PB) I Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork / Induction Programme	16.12.2020	
2	1 <sup>st</sup> Spell of Instructions (including Dussehra Recess, previous year End Examinations)	16.12.2020	06.03.2021 (12 Weeks)
3	First Mid Term Examinations	08.03.2021	13.03.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	20.03.2021	
5	2 <sup>nd</sup> Spell of Instructions	15.03.2021	05.06.2021 (12 Weeks)
6	Second Mid Term Examinations	07.06.2021	12.06.2021 (1 Week)
7	Submission of Second Mid Term Exam Marks to the University on or before	19.06.2021	
8	3 <sup>rd</sup> Spell of Instructions (including Summer vacation)	14.06.2021	04.09.2021 (12 Weeks)
9	Third Mid Term Examinations	06.09.2021	11.09.2021 (1 Week)
10	Preparation Holidays and Practical Examinations	13.09.2021	25.09.2021 (2 Weeks)
11	Submission of Third Mid Term Exam Marks to the University on or before	25.09.2021	
12	End / Supplementary Examinations	27.09.2021	09.10.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.

Sd/- xxxx

Director, Academic & Planning



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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**REVISED ACADEMIC CALENDAR 2020-21**  
**For All Constituent & Affiliated Colleges of JNTUH**  
**B. Tech./B.Pharm. II, III & IV Years I & II Semesters**

**B. Tech./B.Pharm. II, III & IV Years - I Semester**

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	01.09.2020	
2	1 <sup>st</sup> Spell of Instructions (including Dussehra Recess)	01.09.2020	31.10.2020 (9 Weeks)
3	Dussehra Recess	19.10.2020	24.10.2020
4	End Examinations preparation holidays - Previous Semesters	02.11.2020	04.11.2020 (3 days)
5	2 <sup>nd</sup> Spell of Instructions (including First Mid Term Examinations)	14.12.2020	13.02.2021 (9 Weeks)
6	First Mid Term Examinations	21.12.2020	28.12.2020 (1 Week)
7	Submission of First Mid Term Exam Marks to the University on or before	04.01.2021	
8	Second Mid Term Examinations	15.02.2021	20.02.2021 (1 Week)
9	Practical classes	22.02.2021	27.02.2021 (1 Week)
10	Preparation Holidays and Practical Examinations	01.03.2021	06.03.2021 (1 Week)
11	Submission of Second Mid Term Exam Marks to the University on or before	06.03.2021	
12	End Semester Examinations	08.03.2021	20.03.2021 (2 Weeks)

**B. Tech./ B.Pharm. II, III & IV Years - II Semester**

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	22.03.2021	
2	1 <sup>st</sup> Spell of Instructions	22.03.2021	15.05.2021 (8 Weeks)
3	Summer Vacation	17.05.2021	29.05.2021 (2 Weeks)
4	First Mid Term Examinations	31.05.2021	05.06.2021 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	11.06.2021	
6	2 <sup>nd</sup> Spell of Instructions	07.06.2021	31.07.2021 (8 Weeks)
7	Second Mid Term Examinations	02.08.2021	07.08.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	09.08.2021	14.08.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	14.08.2021	
10	End Semester Examinations	16.08.2021	28.08.2021 (2 Weeks)

Note: 1 All the laboratory courses shall be conducted once normalcy is restored.

2 Regular End Semester Examinations of previous Semester (including lab exams) as per the data received from the Examination branch: 05.11.2020 to 11.12.2020.



Sd/- xxxxxx  
**DIRECTOR, ACADEMIC & PLANNING**  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**Revised Academic Calendar (2020-21)**

**For All Constituent & Affiliated Colleges of JNTUH**  
**M.Tech. / M.Pharm. II Year - I & II Semesters**

**M.Tech./ M. Pharm. II Year - I Semester**

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork		01.09.2020
2	1 <sup>st</sup> Spell of Instructions (including Dussehra Recess, previous Semester End Examinations)	01.09.2020	16.11.2020 (11 Weeks)
3	Dussehra Recess	19.10.2020	24.10.2020 (1 Week)
4	Preparation of Project Work Proposals	01.09.2020	28.09.2020 (4 Weeks)
5	Project Work Review-I: Project approval (Part-I commencement)	29.09.2020	03.10.2020
6	Last date for submission of list of approved PRC-I students from the College to the University Examination branch.		06.10.2020
7	2 <sup>nd</sup> Spell of Instructions (including First Mid Term Exams)	17.11.2020	19.01.2021 (9 Weeks)
8	First Mid Term Examinations	14.12.2020	19.12.2020 (1 Week)
9	Submission of First Mid Term Exam Marks to the University on or before		28.12.2020
10	Second Mid Term Examinations	20.01.2021	25.01.2021 (1 Week)
11	Preparation Holidays	27.01.2021	30.01.2021
12	Submission of Second Mid Term Exam Marks to the University on or before		05.02.2021
13	End Semester Examinations	01.02.2021	13.02.2021 (2 Weeks)

**M.Tech./ M.Pharm. II Year - II Semester**

S. No	Description	Duration	
		From	To
1	Commencement of II Semester (Project Work Continuation) (5.10.2020 to 15.02.2021 - 4 Months - Excluding Previous Semesters Examinations)		15.02.2021
2	Project Work Review -II (Phase-I)	15.02.2021	17.02.2021
3	** Project Work Review -II(Phase-II)	01.03.2021	03.03.2021
4	Last date for submission of PRC-II marks		06.03.2021
5	Project Work Review -III (Phase -I)	12.07.2021	17.07.2021
6	Last date for submission of Project Work Review-III (Phase-I) Marks		24.07.2021
7	* Date of eligibility of thesis submission		24.07.2021
8	Submission of Thesis and Project Viva - Voce Examination (PRC-III Phase-I) follows		



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9	** Project Work Review – III (Phase –II)	12.10.2021	16.10.2021
10	Last date for submission of Project Work Review –III (Phase-II) Marks	18.10.2021	
11	Submission of Thesis and Project Viva – Voce Examination (Phase-II) follows	---	

\* After completion of 40 weeks from the date of approval of project work proposal and subject to approval of Project Work Review-III.

\*\* Phase-II will be conducted only for unsuccessful students in Phase –I

Note: 1 The unsuccessful students in Project Work Review-II (Phase-II) shall appear for Project Work Review-II at the time of Project Work Review-III. These students shall reappear for Project Work Review-III in the next academic year at the time of Project Work Review -II only after completion of Project Work Review -II. and then Project Work Review -III follows.

2 The unsuccessful students in Project Work Review -III (Phase-II) shall reappear for Project Work Review -III in the next academic year at the time of Project Work Review –II only.

3 The Project Viva-Voce External examination Marks must be submitted on the day of examination to the University.

4. Regular End Semester Examinations of previous Semester (including lab exams) as per the data received from the Examination branch: 12.10.2020, 31.10.2020, 03.11.2020, 05.11.2020 to 16.11.2020.

Sd/- xxxxxx  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**Revised Academic Calendar 2020-21**

**Pharm. D (Regular) II, III, IV, V, VI Years and Pharm.D (PB) II, III Years**

**Pharm. D (Regular) II, III, IV, V Year and Pharm.D (PB) II Year**

S. No	Description	Duration	
		From	To
1	Commencement of classwork	01.09.2020	
2	1 <sup>st</sup> Spell of Instructions (including Dussehra Recess, previous year End Examinations)	01.09.2020	12.12.2020 (15 Weeks)
3	Dussehra Recess	19.10.2020	24.10.2020 (1 Week)
4	First Mid Term Examinations	14.12.2020	19.12.2020 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	28.12.2020	
6	2 <sup>nd</sup> Spell of Instructions	21.12.2020	20.03.2021 (13 Weeks)
7	Second Mid Term Examinations	22.03.2021	27.03.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	03.04.2021	
9	3 <sup>rd</sup> Spell of Instructions (including Summer vacation)	30.03.2021	28.06.2021 (13 Weeks)
10	Summer vacation	17.05.2021	29.05.2021 (2 Weeks)
11	Third Mid Term Examinations	29.06.2021	03.07.2021 (1 Week)
12	Preparation Holidays and Practical Examinations	05.07.2021	17.07.2021 (2 Weeks)
13	Submission of Third Mid Term Exam Marks to the University on or before	17.07.2021	
14	End / Supplementary Examinations	19.07.2021	31.07.2021 (2 Weeks)

**Pharm. D (Regular) VI Year and Pharm.D (PB) III Year**

S. No	Description	Duration	
		From	To
1	Commencement of internship in General ward	01.09.2020	27.02.2021 (6 Months)
2	Report submission of internship in General ward	01.03.2021	
3	Commencement of internship in Specialty ward-1	02.03.2021	01.05.2021 (2 Months)
4	Report submission of internship in Specialty ward-1	03.05.2021	
5	Commencement of internship in Specialty ward-2	04.05.2021	03.07.2021 (2 Months)
6	Report submission of internship in Specialty ward-2	05.07.2021	
7	Commencement of internship in Specialty ward-3	06.07.2021	04.09.2021 (2 Months)
8	Report submission of internship in Specialty ward-3	06.09.2021	
9	Final viva of internship	08.09.2021	

Note: 1 All the laboratory courses shall be conducted once normalcy is restored.

2 Regular End Examinations of previous year (including lab exams) as per the data received from the Examination branch: 12.10.2020, 27.10.2020, 31.10.2020, 04.11.2020 to 16.11.2020.

Sd/- xxxxxx

**DIRECTOR, ACADEMIC & PLANNING**



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**PHARM. D (Regular) VI YEAR and PHARM. D – (PB) III YEAR**

Description	Period	Duration
Commencement of Internship in general ward	01.06.2017 to 30.11.2017	(6 months)
Report submission of internship in general ward	01.12.2017	--
Commencement of internship in specialty ward - 1	02.12.2017 to 01.02.2018	(2 months)
Report submission of internship in specialty ward -1	02.02.2018	--
Commencement of internship in specialty ward - 2	03.02.2018 to 02.04.2018	(2 months)
Report submission of internship in specialty ward -2	03.04.2018	--
Commencement of internship in specialty ward - 3	04.04.2018 to 02.06.2018	(2 months)
Report submission of internship in specialty ward - 3	04.06.2018	--
Final viva of internship	05.06.2018	--

Yours sincerely,

  
DIRECTOR

Copy to: The Director of Evaluation & Controller of Examinations, JNTUH, Hyderabad.  
P.A to VC, Rector and Registrar.

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# SRI INDU INSTITUTE OF PHARMACY

Sheriguda(V), Ibrahimpatnam (M), R.R. Dist-501510

Approved by AICTE & PCI – New Delhi,

Recognized under 2(f) of UGC Act 1956, Affiliated to JNTUH- Hyderabad.

Website: [www.siiip.ac.in](http://www.siiip.ac.in)

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### Minutes of 6<sup>th</sup> IQAC meeting

Date: 21-11-2020

#### Agenda:

1. Preparation for NAAC work
2. Review of academic work and examinations
3. Submission of Internal audit reports

#### Resolutions:

IQAC coordinator along with principal and other members made the following resolutions.

1. It is resolved to form a committee with senior faculty to initiate NAAC work and apply for 1<sup>st</sup> Cycle IIQA at the earliest.
2. It is advised by the members to utilize the available online class software for effective communication with the students.
3. Due to pandemic situations all the faculty members were directed to prepare suitable questionnaire for conduction of online examinations.

#### Members present:

Name of the member	Signature	Name of the Member	Signature
Dr. A. MOHATHASIM BILLAH	 21/11/2020	Ms. L. SATYANARAYANA	
Dr. D. VARUN	 21/11/2020	Ms. G. VEENA	 21/11/2020
Dr. A. SAMBASIVA RAO	 (Dr. Rao)	Ms. T. NAGA APARNA	
Dr. S.M. SATHISH PAJI	 21/11/2020	Dr. D. NAGA LATHA	 21/11/2020
Dr. P. KRANTI KUMAR	 21/11/2020		

  
21/11/2020

Dr. D Varun

IQAC Co-ordinator  
COORDINATOR IQAC

SRI INDU INSTITUTE OF PHARMACY  
Sheriguda (V), Ibrahimpatnam (M),  
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21/11/2020  
Dr. A. Mohathasim Billah  
PRINCIPAL

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# Sri Indu Institute of Pharmacy

(Approved by AICTE, PCI, New Delhi & Affiliated to JNTU, Hyderabad.)  
Sherguda (V), Ibrahimpatnam (M), Ranga Reddy Dist - 501 510.

## ATTENDANCE & EVALUATION RECORD BOOK (PRACTICALS)

ACADEMIC YEAR : 2019-2020

CLASS & SEMESTER : pharm D 1<sup>st</sup> year

BRANCH : pharm-D

BATCH : \_\_\_\_\_

LABORATORY COURSE : Medicine

FACULTY : R. Suresh



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### 3.5 MEDICINAL CHEMISTRY (PRACTICAL)

Practical: 3 Hrs./Week

1. Assays of important drugs from the course content.
2. Preparation of medicinally important compounds or intermediates required for synthesis of drugs.
3. Monograph analysis of important drugs.
4. Determination of partition coefficients, dissociation constants and molar refractivity of compounds for QSAR analysis.

**Reference Books:**

- a. Wilson and Gisvold's Text book of Organic, Medicinal and Pharmaceutical Chemistry, Lippincott-Raven Publishers-New York, Philadelphia.
- b. William.O.Foye, Principles of Medicinal Chemistry, B.I. Waverly Pvt. Ltd., New Delhi.
- c. Burgers, Medicinal Chemistry, M.E., Welly Med.Chemistry M.E. Walffed Johnwilley and Sons, Wiley-interscience Publication, New York, Toronto.
- d. A Text Book of Medicinal Chemistry Vol. I and II by Surendra N. Pandeya, S.G. Publisher, 6, Dildayal Nagar, Varanasi -10.
- e. Indian Pharmacopoeia 1985 and 1996. The Controller of Publications, Civil Lines, Delhi - 54.
- f. Current Index of Medical Specialities (CIMS) and MIMS India, MIMS, A.E. Morgan Publications (I) Pvt. Ltd, New Delhi-19.
- g. Organic Drug Synthesis-Ledniser Mitzsher Vol. I and II.
- h. Pharmaceutical Chemistry drug Synthesis Vol. I and II by H. J. Roth and A. Kleemann.
- i. The Science and Practice of Pharmacy Vol. 1 and 2, Remington, MACK Publishing Company, Easton, Pennsylvania.

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PARTICULARS OF SYLLABUS COVERED

No.	Date	No. of Periods	Brief Note of topic dealt	Signature of Head / Principal
	3/2/19	3	preparation of radiolabeled imp. comp's required for syn of drugs	
	10/2/19	3	Synthesis of phenytoin	
	12/2/19	3	Synthesis of 7-OH-4-coumarin	
	24/2/19	3	Synthesis of Benimidazole	
	31/2/19	3	Synthesis of Benothiazole	
	7/3/19	3	Syn. of Barbiturate	
	14/3/19	3	Synthesis of Benacaine	
	21/3/19	3	Synthesis of Aspirin	
	28/3/19	3	Synthesis of phenothiazine	
	4/4/19	3	Synthesis of 11-Benzylidene- $\alpha$ -phoslo	
	11/4/19	3	Assay of Metronidazole	
	18/4/19	3	Assay of phosphoric acid	
	23/4/19	3	Assay of lactic acid	
	23/10/19	3	Assay of Aspirin	
	30/10/19	3	Assay of Ibuprofen	
	6/11/19	3	Assay of Ascorbic acid	
	19/11/19	3	Assay of Furazemide	
	27/11/19	3	Assay of chlorpromazine	
	4/12/19	3	Assay of phenytoin sodium	
	11/12/19	3	partition coefficient for $D$ & $c_{cl}$	
	18/12/19	3	" " for water & octanol	
	26/12/19	3	partition coefficient methyl dopa.	
	2/1/2020	3	Monograph of Aspirin	
	13/1/2020	3	Monograph of Ascorbic acid	
	22/1/2020	3	Monograph of Acyclovir	
	28/1/2020	3	Monograph of Metronidazole	
	5/2/2020	3	Monograph of Isoniazid	
	11/2/2020	3	Monograph of paracetamol	
	18/2/2020	3	Monograph of <b>PRINCIPAL</b>	
	25/2/2020	3	Monograph of <b>PRINCIPAL</b>	



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Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist - 501 510.

## ATTENDANCE & EVALUATION RECORD BOOK (THEORY)

Academic Year : 2019-2020

Class : pharm - D II year

Semester : \_\_\_\_\_

Department : pharm-D

Subject : Medicinal Chemistry

Faculty : R. Suneetha



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# SESSIONS PLANNER

Unit No.		Total Periods
1.	Modern Concepts of rational drug design:- A brief introduction about QSAR, prodrug, Combinatorial chemistry, CASR, Anti sense molecules therapy	7
2.	Anti infective agents	
	a) Local anti infective agents	5
	b) preservatives	1
	c) Antifungal agents	
	d) urinary tract infections	
	e) Anti tubercular agents	
	f) Antiviral & anti AIDS agents	
	g) Antiparasiticoal agents	
	h) Anti helmentice	
	i) Antiscabico & Antipedicula agents	
3.	Sulphenamides & Sulphones	
4.	Antimalarials	
5.	Antibiotics	15
6.	antineoplastic agents	5
7.	Cardiovascular agents	
	a) Anti hypertensive agents	
	b) Anti anginal agents	
	c) Anti arrhythmic agents	
	d) Antihyperlipidemic agents	
	e) coagulants and anticoagulants	
	f) Endocrine	
8.)	Hypoglycemic agents	
	Thyroid & Antithyroid agents	
	Digestives	
	Diagnostic agents	
	steroids & hormones	



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### 3.5 MEDICINAL CHEMISTRY (THEORY)

Theory : 3 Hrs./Week

1. Modern concept of rational drug design: A brief introduction to Quantitative Structure Activity Relationship (QSAR), prodrug, combinatorial chemistry and computer aided drug design (CADD) and concept of antisense molecules.

A study of the development of the following classes of drugs including SAR, mechanism of action, synthesis of important compounds, chemical nomenclature, brand names of important marketed products and their side effects.

2. Anti-infective agents
  - a) Local anti-infective agents
  - b) Preservatives
  - c) Antifungal agents
  - d) Urinary tract anti-infectives
  - e) Antitubercular agents
  - f) Antiviral agents and Anti AIDS agents
  - g) Antiprotozoal agents
  - h) Anthelmintics
  - i) Antiscabies and Antipedicular agents
3. Sulphonamides and sulphones
4. Antimalarials
5. Antibiotics
6. Antineoplastic agents
7. Cardiovascular agents
  - a) Antihypertensive agents
  - b) Antianginal agents and vasodilators
  - c) Antiarrhythmic agents
  - d) Antihyperlipidemic agents
  - e) Coagulants and Anticoagulants
  - f) Endocrine
8. Hypoglycemic agents
9. Thyroid and Antithyroid agents
10. Diuretics
11. Diagnostic agents
12. Steroidal Hormones and Adrenocorticoids



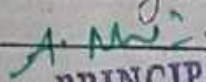
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# LECTURER'S DIARY

Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks
	2/7/19	1	1	Introduction to Medicinal Chemistry	
	5/7/19	1		QSAR	
	6/7/19	1		prodrug	
	9/7/19	1		combinatorial chemistry	
	12/7/19	1		CPAA	
	13/7/19	1		concept of antisense molecules	
	16/7/19	1		Slip test -	
	19/7/19	1		Anti neoplastic agents	
	20/7/19	1		"	
	23/7/19	1		"	
	24/7/19	1		"	
	27/7/19	1		"	
	30/7/19	1		Antibiotics - classification	
	30/7/19	1		penicillins - intro, classification	
	2/8/19	1		MOA, SAR, brand names	
	3/8/19	1		synthesis, uses	
	6/8/19	1		Cephalosporins intro, MOA	
	9/8/19	1		classification, brand names	
	10/8/19	1		Synthesis, uses	
	13/8/19	1		SAR, Adverse effects	
	13/8/19	1		Slip test	
	16/8/19	1		Tetracyclins - MOA	
	17/8/19	1		SAR, Synthesis of few	
	20/8/19	1		tetracyclins, brand names	
	23/8/19	1		Macrolides	
	27/8/19	1		Aminoglycosides	
	30/8/19	1		Chl. Diamphenicol	
	31/8/19	1		preservatives	
	31/8/19	1		Slip test	
	3/9/19	1		local anti infective agents	
	6/9/19	1		"	
	7/9/19	1		"	
	13/9/19	1		"	
	14/9/19	1		"	



  
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# LECTURER'S DIARY

Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks
	13/9/19			preservatives	
	20/9/19			WTJ agents	
	24/9/19	2		Anti-fungal agents	
	27/9/19			"	
	28/9/19			Anti-tubercular agents	
	1/10/19	2		"	
	11/10/19	2		Anti-viral agents, AIDS agents	
	5/10/19	2		"	
	1/11/19			H.	
	2/11/19			Anti-viral agents	
	5/11/19			Anti-AIDS agents	
	8/11/19			"	
	9/11/19			Anti-protozoal agents	
	15/11/19	2		"	
	16/11/19			"	
	19/11/19			Slip test	
	20/11/19			Anti-helmentics	
	23/11/19			"	
	26/11/19			"	
	29/11/19	2		Slip test	
	30/11/19			Anti-scabies and anti-pediculosis agents	
	2/12/19	1		Sulphonamides	
	3/12/19	1		"	
	6/12/19	1		"	
	7/12/19	1		Sulphones	
	9/12/19	1		Anti-malarials	
	10/12/19	1		"	
	13/12/19	1		"	
	14/12/19	1		"	
	16/12/19	1		"	
	17/12/19	1		Slip test	
	20/12/19	1		Antibiotics - penicillins	
	21/12/19	1		SAR, MOA, SAR	
	23/12/19	7		Principal	



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# LECTURER'S DIARY

Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks
	27/11/19	1			
	28/11/19	1		Cephalosporins, MOA, Mech, SAR	
	29/11/19	1		Tetracyclins, MOA, SAR, Synthesis	
	30/11/2020	1		"	
	1/12/2020	1		Monobactams	
	2/12/2020	1		$\beta$ -lactamase inhibitors	
	3/12/2020	1		Aminoglycosides	
	4/12/2020	1		Macrolides	
	5/12/2020	1		Chloramphenicol, syn, SAR, MOA	
	6/12/2020	2		Slip test.	
	7/12/2020	1		Anti neoplastic agents	
	8/12/2020	1		Synthesis, MOA, SAR.	
	9/12/2020	1		Slip test.	
	10/12/2020	1		Cardiovascular agents Intro	
	11/12/2020	1		Anti hypertensive agents.	
	12/12/2020	1		Classification, SAR, MOA.	
	13/12/2020	1		Structures & synthesis.	
	14/12/2020			Slip test	
	15/12/2020			Anti anginal agents, vasodilator	
	16/12/2020			Structures and uses	
	17/12/2020			SAR and synthesis.	
	18/12/2020			Slip test.	
	19/12/2020			Antiarrhythmic agents.	
	20/12/2020			Structures MOA & uses.	
	21/12/2020			SAR and synthesis.	
	22/12/2020			Slip test.	
	23/12/2020			Anti hyperlipidemic agent	
	24/12/2020			Structures SAR syn uses	
	25/12/2020			Coagulants	
	26/12/2020			Anti coagulants	
	27/12/2020			Slip test.	
	28/12/2020			Endocrine	
	29/12/2020			Structures and	
	30/12/2020			Synthesis and	
	31/12/2020			Slip test.	



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## ATTENDANCE & EVALUATION RECORD BOOK (THEORY)

Academic Year : 2018-2019

Class : II<sup>nd</sup> yr B.pharm Section-A

Semester : II<sup>nd</sup> semester

Department : Organic chemistry

Subject : pharmaceutical Organic chemistry -II

Faculty : R. Suresh Babu



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# SESSIONS PLANNER

Unit No.		Total Periods
	Pharmaceutical Organic Chemistry - II	
I	<p><b>Stereo isomerism</b></p> <p>Optical isomerism - optical activity, enantiomerism, diastereoisomerism, meso compounds, Elements of symmetry, chiral &amp; Achiral molecules.</p> <p>DL system of nomenclature of optical isomers. Sequence rules, RS system of nomenclature of optical isomers. Reactions of chiral molecules</p> <p>Racemic modification &amp; Resolution of racemic mixture.</p>	5
II	<p><b>Geometrical isomerism</b></p> <p>Nomenclature of geometrical isomers (cis, trans, E, Z, Syn &amp; Anti systems)</p> <p>Determination of configuration of geometrical isomers</p> <p>Conformational isomerism in Ethane, n-Butane and cyclohexane</p> <p>Stereo isomerism in biphenyl compounds and conditions for optical activity.</p>	11
III	<p><b>Heterocyclic compounds - I</b></p> <p>Introduction, nomenclature &amp; classification</p> <p>Synthesis, reactions &amp; medicinal uses of</p> <p style="padding-left: 40px;">pyrrole</p> <p style="padding-left: 40px;">furan</p> <p style="padding-left: 40px;">thiophene</p> <p>Relative aromaticity, reactivity &amp; Basicity of pyrrole</p>	10
IV	<p><b>Heterocyclic chemistry - II</b></p> <p>Synthesis, reactions &amp; medicinal uses of</p> <p style="padding-left: 40px;">- pyrazole</p> <p style="padding-left: 40px;">- Imidazole</p> <p style="padding-left: 40px;">- Oxazole</p> <p style="padding-left: 40px;">- Thiazole</p> <p style="padding-left: 40px;">- pyridine</p> <p style="padding-left: 40px;">- Quinoline</p> <p style="padding-left: 40px;">- Isoquinoline</p> <p style="padding-left: 40px;">- Acridine</p> <p style="padding-left: 40px;">- Indole</p> <p>Basicity of pyridine, synthesis and medicinal uses of pyrimidine, purine, Azepine, Indole derivatives.</p>	15

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# SESSIONS PLANNER

Unit No.	Pharmaceutical Organic Chemistry - III.	Total Periods
I	Stereo isomerism	
	optical isomerism - optical activity, enantiomerism, diastereoisomerism, meso compounds, Elements of symmetry, chiral & Achiral molecules.	5
	DL system of nomenclature of optical isomers, Sequence rules, RS system of nomenclature of optical isomers. Reactions of chiral molecules	3
	Racemic modification & Resolution of racemic mixture.	2
II	Geometrical isomerism	
	Nomenclature of geometrical isomers (cis, trans, E, Z, syn & anti systems)	1
	Determination of configuration of geometrical isomers	2
	Conformational isomerism in ethane, n-Butane and cyclohexane	1
	Stereo isomerism in biphenyl compounds and conditions for optical activity.	3
III	Heterocyclic compounds - I	
	Introduction, nomenclature & classification	3
	Synthesis, reactions & medicinal uses of pyrrole furan thiophene	9
	Relative aromaticity, reactivity & Basicity of pyrrole	2
IV	Heterocyclic chemistry - II	1
	Synthesis, reactions & medicinal uses of - pyrazole - Imidazole - Oxazole - Thiazole - pyridine - Quinoline - Isoquinoline - Acridine - Indole	5
	Basicity of pyridine, synthesis and medicinal uses of pyrimidine, purine derivatives.	



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Sheriguda (V), Ibrahim (M),  
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# LECTURER'S DIARY

Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks	
I	17/12/18	1	I	Introduction of Stereo isomerism		
	18/12/18	1		Optical isomerism, optical activity		
	20/12/18	1		Enantiomerism, Diastereomerism		
	21/12/18	1		Meso compounds, elements of Symmetry		
	24/12/18	1		Chiral & a chiral molecules		
	29/12/18	1		Slip Test - I		
	28/12/18	1		D,L nomenclature of optical isomers		
	3/1/19	1		Sequence rules, R,S system		
	4/1/19	1		Racemic modification & Resolution.		
	7/1/19	1		Slip Test - II		
II	8/1/19	1	II	Introduction of geometrical isomerism		
	10/1/19	1		nomenclature of G-isomers.		
	11/1/19	1		methods of determin <sup>n</sup> of configuration etc		
	12/1/19	1		Slip Test - III		
	18/1/19	1		Conformational isomerism in ethane		
	21/1/19	1		n-Butane & cyclohexane		
	22/1/19	1		Biphenyl compounds & conditions		
	24/1/19	1		Slip Test - IV		
	25/1/19	1		III	Introduction of Heterocyclic Chemistry	
	26/1/19	1			Nomenclature & classification	
29/1/19	1	pyrrole				
31/1/19	1	furan				
1/2/19	1	Thiophene				
4/2/19	1	Slip test - V				
7/2/19	1	Grand slip-test.				
8/2/19	1	Revision of Heterocyclic compds.				
11/2/19	1	IV	Heterocyclic chemistry - I			
12/2/19	1		pyrazole			
14/2/19	1		Imidazole			
25/2/19	1		slip test - VI			
18/2/19	1		Thiazole			
19/2/19	1		Oxazole			
21/2/19	1		Slip test - VII			
22/2/19	1		pyridine			



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## ATTENDANCE & EVALUATION RECORD BOOK (THEORY)

Academic Year : 2017-18

Class : B. Pharmacy II yr

Semester : II semester

Department : Pharmacy

Subject : Novel Drug Delivery systems & Regulatory Affairs

Faculty : Dr. D. Varun / T. Naga Aparna



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# SESSIONS PLANNER

Unit No.		Total Periods
I	<p>oral control Drug Delivery Systems:                      Fundamental study of different types of oral controlled drug delivery systems sustained release concept design of sustained release dosage form zero order release first order release, multiple dosing                      Dissolution controlled Diffusion controlled Ion exchange Resins osmotic based systems pH Independent Systems,</p>	13
II	<p>Transdermal Drug Delivery Systems                      Fundamentals types of TDDS materials employed and evaluation of TDDS.                      Introduction to Gmp: salient features of sch-m (India)</p>	12
III	<p>Mucoadhesive Delivery Systems:                      mechanism of bioadhesion mucoadhesive materials formulation and development of mucoadhesive based systems.</p>	24
	<p>Targeted Drug Delivery Systems:                      Fundamentals &amp; applications formulation &amp; evaluation of liposomes, resealed erythrocytes &amp; nano particles.</p>	
IV	<p>Governing Regulatory bodies across the globe.                      USFDA, CDS</p>	



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# LECTURER'S DIARY

Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks
I	15-12-17	1	I	Introduction to Novel Drug Del. System	
	16-12-17	1	I	Different types of oral cont. DS	
	18-12-17	2	I	"	
II	19-12-17	1	II	Def <sup>n</sup> structure of skin	gm
	20-12-17	1	II	Basic components in TDDS	gm
	22-12-17	1	II	Formulation Approaches	gm
	23-12-17	1	II	Types of oral cont. systems	
	27-12-17	1	II	Approaches Evaluation	gm
	29-12-17	1	II	Evaluation of TDDS	gm
	30-12-17	1	II	Sustained release concept	
	2-1-18	1	II	Evaluation of TDDS	gm
	3-1-18	1	II	preparation of TDDS	gm
	5-1-18	1	II	Advancements in drug deli	gm
	6-1-18	1	I	Sustained release concept	
	8-1-18	1	I	"	
	9-1-18	1	II	Introduction to sch m	gm
	10-1-18	1	II	Part - I of sch m	gm
	12-1-18	1	II	"	gm
	17-1-18	1	II	"	gm
	18-1-18	1	III	Int <sup>n</sup> mechanism of muco. adh	gm
	20-1-18	1	III	Theories of muco. Adh	gm
	22-1-18	1	III	Dissolution & Diffusion controlled	
	23-1-18	1	III	muco adhesive polymers	gm
	24-1-18	1	III	" Evaluation of MAPPs	gm
	25-1-18	1	III	EVal of muco adh. drug del systems	gm
	27-1-18	1	I	osmotic based systems	
	29-1-18	1	I	"	
	30-1-18	1	III	Buccal <sup>Evaluation of</sup> drug delivery systems	gm
	1-2-18	1	III	Types of Buccal tablets	gm
	3-2-18	1	III	Buccal patches	gm
	5-2-18	1	III	Evaluation of Buccal Patches	gm
	6-2-18	2	I	pH Independent Systems	



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Unit No.	Date	No. of Periods	Unit	Topic Covered	Remarks
1	8-2-18	1	I	Int <sup>n</sup> to Validation	gm
	10-2-18	1	II	Importance of Validation	gm
	12-2-18	1	III	Int <sup>n</sup> to targetted DDS	
	17-2-18	1	IV	Formulation of liposomes	
	19-2-18	1	V	"	
	20-2-18	1	VI	Analytical method Validation	gm
	21-2-18	1	VII	"	gm
	22-2-18	1	VIII	cleaning Validation - Int <sup>n</sup>	gm
	24-2-18	1	IX	Formulation of liposomes	
	26-2-18	1	X	"	
	27-2-18	1	XI	methods to assess cl. Validation	gm
	28-2-18	1	XII	"	gm
	3-3-18	1	XIII	Evaluation of liposomes	
	5-3-18	1	XIV	"	
	6-3-18	1	XV	Detergents & selection	gm
	7-3-18	1	XVI	Analysis of detergents	gm
	8-3-18	1	XVII	Sampling techniques in CV	gm
	10-3-18	1	XVIII	Resealed erythrocytes	
	12-3-18	1	XIX	Acceptance criteria	gm
	13-3-18	1	XX	Resealed erythrocytes	
10	14-3-18	1	XXI	USFDA	gm
	15-3-18	1	XXII	"	gm
	17-3-18	1	XXIII	Nano Particles - Int <sup>n</sup>	
	19-3-18	1	XXIV	CDSCO	gm
	20-3-18	1	XXV	Prep of nano particles	
	21-3-18	1	XXVI	CDSCO	gm
	22-3-18	1	XXVII	Australian TGA	gm
	24-3-18	1	XXVIII	Preparation of	
	27-3-18	1	XXIX	nano Particles	
	28-3-18	1	XXX	European FDA	gm
	29-3-18	1	XXXI	NPA & ANPA	gm
	31-3-18	1	XXXII	Preparation of nano particles	
	2-4-18	1	XXXIII	"	
	3-4-18	1	XXXIV	MID	



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