



# NARAYANA PHARMACY COLLEGE

(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)

Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,

ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.

Phone & Fax No :0861-2317966; Cell No :+91- 9392901053

Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

Academic Year: 2023-2024

Subject(code): **PHARMACEUTICAL JURISPRUDENCE[17T00304]**

CLASS: **PHARM D III YR**

FACULTY: **PRATHYUSHA V**

Units	I	II	III	IV	V	Total
No. of classes	6	12	12	20	12	62

Date	Topic	Teaching aids
7.11.2023 TO 25.11.2023	<b>Unit-I</b>	
	Pharmaceutical legislation-principal and	Talk and chalk
	Significance of professional ethics	Talk and chalk
	Critical study of code of pharmaceutical ethics drafted by pci	Talk and chalk
<b>UNIT II</b>		
26.11.2023 TO 10.12.2023	Drugs and cosmetics act ,1940 and its rule 1945 -OBJECTIVES,LEGAL DEFINITIONS	Talk and chalk
	Study of schedules with reference to schedule B,C,C1,D,E1,F,F1,F2	Talk and chalk
	<b>F3,FF,G,,H,J,K,M,N,P</b>	Talk and chalk
	R,V,W,X,Y	Talk and chalk
11.12.2023 TO 15.1.2024	Sales and import	Talk and chalk
	labelling	Talk and chalk
	Packaging of dc provisions	Talk and chalk
	Manufacture of dc	Talk and chalk
16.1.2024 TO 13.1.2024	Constitution and functions of DTAB	Talk and chalk
	<b>DCC,CDL</b>	Talk and chalk
	Qualification and duties of govt. analyst	Talk and chalk
	Drug inspector	Talk and

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		chalk
14.1.2024 TO 20.1.2024	UNIT III	
	Objectives, legal definitions	Talk and chalk
	General study and constitution and functions of PCI	Talk and chalk
	CONSTITUTION AND FUNCTIONS OF STATE AND CENTRAL COUNCIL	Talk and chalk
21.1.2024 to 28.1.2024	Registration and procedure	Talk and chalk
	Educational rules	Talk and chalk
	Offences and penalties	Talk and chalk
29.1.2024 TO 15.2.2024	Medicinal and toilet preparation act-1955- objectives, legal definition	Talk and chalk
	Licensing, bonded and non bonded laboratory	Talk and chalk
	Ware housing	Talk and chalk
	Manufacture of ayurvedichomeopathic preparations	Talk and chalk
16.2.2024 TO 15.3.2024	Patent and proprietary preparations	Talk and chalk
	offences and penalties	Talk and chalk
UNIT IV		
16.3.2024 TO 29.4.2024	Narcotic and psychotropic substances act 1985 and rules-introduction	Talk and chalk
	Objectives and legal definitions	Talk and chalk
	General study	Talk and chalk
	Constitution and functions of NDPS ACT	Talk and chalk
3.6.2024 TO 25.6.2024	Consultative committee	Talk and chalk
	National fund for controlling drug abuse, prohibition	Talk and chalk
	Control and regulations	Talk and chalk
26.6.2024 TO 19.7.2024	Schedules to the act	Talk and chalk
	Study of salient features of drugs and magic remedies act	Talk and chalk

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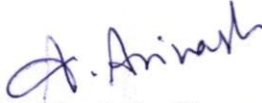
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	Drugs and magic remedies rules	Talk and chalk
	Essential commodities act introduction	Talk and chalk
	Essential commodities act relevant to DPCO	Talk and chalk
UNIT V		
20.7.2024 TO 15.8.2024	DPCO	Talk and chalk
	NATIONAL DRUG POLICY	Talk and chalk
	PREVENTION OF CRUELTY TO ANIMALS ACT 1960	Talk and chalk
	PRESCRIPTION AND NON PRESCRIPTION PRODUCTS	Talk and chalk
I MID TERM EXAMINATIONS[22.01.2024 TO 27.1.2024]		
II- MID TERM EXAMINATIONS (15.4.2024 TO 20.4.2024)		
PREPARATION & PRACTICAL EXAMINATIONS (19.8.2024 TO 24.08.2024)		
END EXAMINATIONS (26.8.2024 TO 7.9.2024)		

  
Sub In-charge

  
Academic In-Charge

  
Principal

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## **THEORY MICROSCHEDULE**

**NAME OF SUBJECT: PHARMACEUTICAL ANALYSIS (23BP102T)**

**YEAR : B.PHARMACY I YEAR I SEM**

**ACADEMIC YEAR: 2023-2024**

**SUBJECT IN CHARGE: SAI SARANYA.A**

Units	I	II	III	IV	V	TOTAL
No. Of classes	10	10	20	8	16	64

Date	Unit number	Topic	Teaching Aid
11-12-23 TO 16-12-23	I	Pharmaceutical analysis-Definition and scope	Black board
	I	i) Different techniques of analysis,	Black board
	I	ii) Methods of expressing concentration	Black board
	I	iii) Primary and secondary standards.	Black board
18-12-23 TO 23-12-23	I	iv) Preparation and standardization of various molar and normal solutions-Oxalic acid, sodium hydroxide,	Black board
	I	Preparation and standardization of various molar and normal solutions-hydrochloric acid, sodium thiosulphate, sulphuric acid.	Black board
	I	Preparation and standardization of various molar and	Black

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		normal solutions-potassium permanganate and ceric ammonium sulphate .	board
	I	<b>(b) Errors:</b> Sources of errors, types of errors.	Black board
26-12-23 TO 30-12-23	I	Methods of minimizing errors	Black board
	I	Accuracy, precision and significant figures.	Black board
	II	<b>Acid base titration:</b> Theories of acid base indicators	PPT
	II	classification of acid base titrations	PPT
2-1-24 TO 6-1-24	II	theory involved in titrations of strong acid and bases	PPT
	II	theory involved in titrations of weak acid and weak base very weak acids and bases	PPT
	II	theory involved in titrations of very weak acids and bases	PPT
	II	neutralization curves	PPT
8-1-24 TO 13-1-24	II	neutralization curves	PPT
	II	<b>Non aqueous titration:</b> Solvents, acidimetry titration	PPT
	II	Alkalimetry titration	PPT
	II	Estimation of Sodium benzoate and Ephedrine HCl	PPT
15-1-24 TO 20-1-24	III	<b>Precipitation titrations:</b> Mohr's method	PPT
	III	<b>Precipitation titrations :</b> Volhard's, Modified Volhard's method	PPT
	III	<b>Precipitation titrations :</b> Fajan's method	PPT
	III	Estimation of sodium chloride.	PPT
22-1-24 TO 27-1-24	III	<b>Complexometric titration:</b> Classification	PPT
	III	Metal ion indicators	PPT
	III	Metal ion indicators	PPT

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	III	Masking reagents	PPT
29-1-24 TO 1-2-24	III	Demasking reagents	PPT
	III	Estimation of Magnesium sulphate, and calcium gluconate.	PPT
	III	<b>Gravimetry: Principle</b>	Black board
	III	steps involved in gravimetric analysis: 1)Preparation of solution	Black board
<b>I MID EXAMINATIONS(2-2-24 TO 3-2-24 )</b>			
12-2-24 TO 17-2-24	III	steps involved in gravimetric analysis: Precipitation	Black board
	III	steps involved in gravimetric analysis: Digestion	Black board
	III	steps involved in gravimetric analysis: Filtration, Washing	Black board
	III	steps involved in gravimetric analysis: Drying & Ignition, Weighing	Black board
19-2-24 TO 24-2-24	III	steps involved in gravimetric analysis: Calculation	Black board
	III	Purity of the precipitate: co- precipitation and post precipitation.	Black board
	III	Estimation of barium sulphate.	Black board
	III	Basic Principles, methods and application of diazotization titration.	Black board
26-2-24	IV	<b>Redox titrations</b> : (a) Concepts of oxidation and	PPT

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TO 2-3-24		reduction	
	IV	(b) Types of redox titrations (Principles and applications)	PPT
	IV	Cerimetry	PPT
	IV	Iodimetry	PPT
4-3-24 TO 9-3-24	IV	Iodometry	PPT
	IV	Bromatometry	PPT
	IV	Dichrometry	PPT
	IV	Titration with potassiumiodate	PPT
11-3-24 TO 16-3-24	V	<b>Electrochemical methods of analysis</b> <b>Conductometry</b> - Introduction, Conductivity cell	PPT
	V	Conductometric titrations, applications	PPT
	V	<b>Potentiometry</b> - Electrochemical cell	PPT
	V	Construction and working of reference (Standard hydrogen, silver chloride electrode)	PPT
18-3-24 TO 23-3-24	V	Construction and working of reference ( calomel electrode)	PPT
	V	construction and working of indicator electrodes (metal electrodes)	PPT
	V	construction and working of indicator electrodes (glass electrode)	PPT
	V	Methods to determine end point of potentiometric	PPT

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		titration	
18-3-24 TO 23-3-24	V	Applications	PPT
	V	<b>Polarography-Principle</b>	PPT
	V	Ilkovic equation	PPT
	V	construction and working of dropping mercury electrode	PPT
25-3-24 TO 28-3-24	V	construction and working of rotating platinum electrode	PPT
	V	Applications	PPT
	V	REVISION	
	V	TEST	
<b>II MID EXAMINATION (29-3-24 TO 30-3-24)</b>			
<b>END PRACTICAL EXAMINATION (01-04-2024 TO 06-04-2024)</b>			
<b>END THEORY EXAMINATION (8-04-2024 TO 17-04-2024)</b>			

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## **B.PHARM I YEAR. I SEMESTER**

### **(23BP108P) PHARMACEUTICAL ANALYSIS LAB**

<b>S.NO</b>	<b>DATE</b>	<b>LIST OF EXPERIMENTS</b>
1)	11-12-23 TO 16-12-23	Preparation and standardization of Sodium hydroxide
2)	18-12-23 TO 23-12-23	Preparation and standardization of Sulphuric acid
3)	26-12-23 TO 30-12-23	Preparation and standardization of Sodium thiosulfate
4)	2-1-24 TO 6-1-24	Preparation and standardization of Potassium permanganate
5)	8-1-24 TO 13-1-24	Preparation and standardization of Ceric ammonium sulphate
6)	22-1-24 TO 27-1-24	Assay of Ammonium chloride by acid base titration
7)	29-1-24 TO 3-2-24	Assay of Ferrous sulphate by Cerimetry
8)	12-2-24 TO 17-2-24	Assay of Copper sulphate by Iodometry
9)	19-2-24 TO 24-2-24	Assay of Calcium gluconate by complexometry
10)	26-2-24 TO 2-3-24	Assay of Hydrogen peroxide by Permanganometry
11)	4-3-24 TO 9-3-24	Assay of Sodium benzoate by non-aqueous titration

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12)	11-3-24 TO 16-3-24	Assay of Sodium Chloride by precipitation titration
13)	18-3-24 TO 23-3-24	Conductometric titration of strong acid against strong base
14)	18-3-24 TO 23-3-24	Conductometric titration of strong acid and weak acid against strong base
15)	25-3-24 TO 30-3-24	Potentiometric titration of strong acid against strong base

  
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**Academic Year: 2023-24**

## NARAYANA PHARMACY COLLEGE

Subject: BIOPHARMACEUTICS AND PHARMACOKINETICS THEORY (BP604T)

CLASS: **III Year – II sem**

FACULTY: **Dr. S. Sujatha**

Units	I	II	III	IV	V	Total
No. of classes	14	19	10	08	09	60

S. No	Date	Topic	Teaching Aid
1.	19.02.24	<b>UNIT-1: Biopharmaceutics Introduction</b>	Chalk& talk
2.	21.02.24	Mechanisms of drug absorption	Chalk& talk
3.	22.02.24	Active transport, facilitated diffusion	Chalk & talk
4.	23.02.24	Physicochemical factors influencing absorption	PPT
5.	26.02.24	Physicochemical factors influencing absorption	PPT
6.	28.02.24	pH partition hypothesis and its limitations	PPT
7.	29.02.24	Formulation factors influencing absorption	PPT
8.	01.03.24	Physiological factors influencing absorption	PPT
9.	04.03.24	<b>Distribution: Introduction</b>	Chalk& talk
10.	06.03.24	Tissue permeability of drugs	Chalk& talk
11.	11.03.24	Factors influencing plasma protein binding	Chalk& talk
12.	13.03.24	Factors influencing tissue protein binding	Chalk& talk
13.	14.03.24	Kinetics of protein binding	PPT
14.	15.03.24	Concept of volume of distribution and its significance	Chalk& talk
15.	18.03.24	<b>Unit-II Drug metabolism and various metabolic pathways</b>	Chalk& talk
16.	20.03.24	Phase I metabolic reactions	PPT
17.	21.03.24	Phase-I metabolic reactions	PPT

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18.	22.03.24	Phase-II reactions	PPT
19.	27.03.24	Factors affecting metabolism of drugs	Chalk& talk
20.	28.03.24	Mechanism of drug excretion	Chalk& talk
21.	01.04.24	Concept of clearance non renal clearance	Chalk& talk
22.	03.04.24	Factors affecting renal excretion	Chalk& talk
23.	08.04.24	Non renal routes of drug excretion	Chalk& talk
24.	12.04.24	Revision	Chalk& talk
25.	18.04.24	Definition, objectives and types of bioavailability	Chalk& talk
26.	09.04.24	Bioavailability study protocol	PPT
27.	22.04.24	Bioavailability study protocol	PPT
28.	24.04.24	Measurement of bioavailability	PPT
29.	24.04.24	Invitro drug dissolution models	PPT
30.	25.04.24	Invitro-invivo correlations	PPT
31.	26.04.24	Bioequivalence studies	PPT
32.	29.04.24	Techniques to enhance solubility and dissolution	Chalk& talk
33.	29.04.24	Methods to enhance bioavailability of poorly soluble drugs	Chalk& talk
I mid term examinations(15-04-24 to 17-04-2024)			
34.	01.05.24	Unit-III : Definition and introduction to Pharmacokinetics	Chalk& talk
35.	02.05.24	Compartment modeling	Chalk& talk
36.	03.05.24	physiological model, noncompartmental kinetics	Chalk& talk
37.	06.05.24	One compartment open model iv injection	PPT
38.	08.05.24	One compartment open model iv infusion	PPT
39.	09.05.24	Excretion rate method	PPT
40.	09.05.24	Sigma minus method	PPT
41.	10.05.24	Calculation of PK parameters extravascular administration	PPT
42.	10.05.24	Method of residuals	Chalk& talk
43.	13.05.24	Wagner nelson method	Chalk& talk
44.	15.05.24	<b>Unit IV:</b> Introduction to multicompartment model	Chalk& talk
45.	16.05.24	Two compartment model	Chalk& talk
46.	17.05.24	Calculation of PK parameters after IV bolus from two compartment model	PPT
47.	20.05.24	Kinetics of multiple dosing	PPT
48.	22.05.24	Multiple dose regimen IV administration	PPT

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49.	23.05.24	Multiple dose regimen oral	PPT
50.	24.05.24	Loading and maintenance doses calculation	PPT
51.	27.05.24	Significance of loading and maintenance doses in clinical setting	Chalk& talk
52.	29.05.24	<b>Unit-V: Non linear Pharmacokinetics</b>	Chalk& talk
53.	30.05.24	Causes of nonlinearity	Chalk& talk
54.	31.05.24	Kinetics of nonlinearity	Chalk& talk
55.	03.06.24	Michaelis Menten equations for Vmax and Km	PPT
56.	05.06.24	Revision	Chalk& talk
57.	06.06.24	Revision	Chalk& talk
58.	07.06.24	Revision	Chalk& talk
59.	10.06.24	Revision	Chalk& talk
60.	12.06.24	Revision	Chalk& talk
<b>II- MID TERM EXAMINATIONS (13.06.2024 to 15.06.2024)</b>			
<b>PREPARATION &amp; PRACTICAL EXAMINATIONS (17.06.2024 to 22.06.2024)</b>			
<b>END EXAMINATIONS (24.06.2024 to 06.07.2024)</b>			

S. Sufathe  
Sub In-charge

A. Aninash  
Academic In-charge

  
Principal

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	<b>NARAYANA PHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>I</b>	<b>A</b>	<b>2023-2024</b>	<b>2023</b>	<b>07.12.2023</b>

<b>HOUR →</b>	<b>9.00-09.50</b>	<b>09.50-10.40</b>	<b>10.50-11.40</b>	<b>11.40-12.30</b>	<b>01.30-02.20</b>	<b>02.20-03.10</b>	<b>3.20-4.10</b>	<b>04.10-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	PC	Library	PIC	CS	Batch I: PC Lab Batch II: HAP Lab			
<b>Tuesday</b>	PIC	PA Tutorial	HAP	RM	Batch I: PA Lab Batch II: PIC Lab			
<b>Wednesday</b>	PC	PA	HAP Tutorial	Library	Batch I: HAP Lab Batch II: PA Lab			
<b>Thursday</b>	PA	Library	HAP	PIC Tutorial	Batch I: PIC Lab Batch II: PC Lab			
<b>Friday</b>	HAP	RM	PC Tutorial	PIC	CS Lab	RM	Sports/Library	
<b>Saturday</b>	PA	CS	Library	PC	Sports/Library			
<b>MORNING BREAK: 10.40 -10.50 AM</b>			<b>LUNCH BREAK: 12.30 -1.30 PM 03.20 PM</b>			<b>AFTER NOON BREAK: 03.10 -</b>		

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Phone & Fax No :0861-2317966; Cell No :+91- 9392901053

Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
23BP101T/23BP101P	Human Anatomy and Physiology-I (HAP-I)	Ms. V. Sujitha	Ms. V. Sujitha
23BP102T/ 23BP102P	Pharmaceutical Analysis-I (PA-I)	Mrs. S. Vijitha	Mrs. S. Vijitha
23BP103T/ 23BP103P	Pharmaceutics -I (PC-I)	Dr. M. Krishnaveni	Dr. M. Krishnaveni
23BP104T/ 23BP104P	Pharmaceutical Inorganic Chemistry (PIC)	Mrs. M. Naga Priyanka	Mrs. M. Naga Priyanka
23BP105T/ 23BP105P	Communication Skills (CS)	Mrs. P. Padmavathidevi	Mrs. P. Padmavathidevi
23BP106RMT	Remedial Mathematics (RM)	Ms. R. Vijaya	-----

  
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	<b>NARAYANA PHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>I</b>	<b>B</b>	<b>2023-2024</b>	<b>2023</b>	<b>07.12.2023</b>

<b>HOUR →</b>	<b>9.10-10.00</b>	<b>10.00-10.50</b>	<b>11.00-11.50</b>	<b>11.50-12.40</b>	<b>01.40-02.30</b>	<b>02.30-03.20</b>	<b>3.30-4.20</b>	<b>04.20-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	PC	PA	CS	Library	CS Lab		PIC	Sports/Library
<b>Tuesday</b>	Batch I: HAP Lab Batch II: PC Lab				RM	PA Tutorial	PIC	Sports/Library
<b>Wednesday</b>	Batch I: PC Lab Batch II: PIC Lab				PA	HAP	PIC	PC Tutorial
<b>Thursday</b>	Batch I: PA Lab Batch II: HAP Lab				PA	CS	HAP	Sports/Library
<b>Friday</b>	Batch I: PIC Lab Batch II: PA Lab				RM	HAP Tutorial	PC	Sports/Library
<b>Saturday</b>	HAP	PC	PIC Tutorial	Library	Sports/Library			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
23BP101T/23BP101P	Human Anatomy and Physiology-I (HAP-I)	Mr. D. Pitchaiah	Mr. D. Pitchaiah
23BP102T/ 23BP102P	Pharmaceutical Analysis-I (PA-I)	Mr. G.V Dileep Kumar	Mr. G.V Dileep Kumar
23BP103T/ 23BP103P	Pharmaceutics -I (PC-I)	Mr. P. Rambabu/ Mrs. V. Prathyusha	Mr. P. Rambabu/ Mrs. V. Prathyusha
23BP104T/ 23BP104P	Pharmaceutical Inorganic Chemistry (PIC)	Ms. Md. Jumana	Ms. Md. Jumana
23BP105T/ 23BP105P	Communication Skills (CS)	Mrs. Sk. Karimunnisa	Mrs. Sk. Karimunnisa
23BP106RMT	Remedial Mathematics (RM)	Ms. R. Vijaya	-----

  
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	<b>NARAYANA PHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>III</b>	<b>A</b>	<b>2023-2024</b>	<b>2022</b>	<b>23.10.2023</b>

<b>HOUR →</b>	<b>9.10-10.00</b>	<b>10.00-10.50</b>	<b>11.00-11.50</b>	<b>11.50-12.40</b>	<b>01.40-02.30</b>	<b>02.30-03.20</b>	<b>3.30-4.20</b>	<b>04.20-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	POC-II	MICRO	Library	PP-I	MICRO	Library	PP-I Tutorial	Sports/Library
<b>Tuesday</b>	UHV	Library	PE	POC-II Tutorial	Batch I: PP-I Lab Batch II: MICRO Lab			
<b>Wednesday</b>	Batch I: PE Lab Batch II: POC-II Lab				MICRO	POC-II	PE Tutorial	Sports/Library
<b>Thursday</b>	Batch I: POC-II Lab Batch II: PE Lab				POC-II	MICRO Tutorial	UHV	Sports/Library
<b>Friday</b>	Batch I: MICRO Lab Batch II: PP-I Lab				PE	PP-I	UHV Tutorial	Sports/Library
<b>Saturday</b>	PP-I	Library	PE	Library	Sports/Library			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP301T/ BP305P	Pharmaceutical Organic Chemistry II (POC-II)	Mrs. Sk. Salma	Mrs. Sk. Salma
BP302T/ BP306P	Physical Pharmaceutics-I (PP-I)	Mr. D. Mahidharreddy	Mr. D. Mahidharreddy
BP303T/ BP307P	Pharmaceutical Microbiology (MICRO)	Mrs. A. Kiranmai	Mrs. A. Kiranmai
BP304T/ BP308P	Pharmaceutical Engineering (PE)	Mr. G. Adi Narayana	Mr. G. Adi Narayana
BP310MC/ -----	Universal Human Values (UHV)	Dr. S. Sujatha	-----

  
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	<b>NARAYANA PHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>III</b>	<b>B</b>	<b>2023-2024</b>	<b>2022</b>	<b>23.10.2023</b>

<b>HOUR →</b>	<b>9.10-10.00</b>	<b>10.00-10.50</b>	<b>11.00-11.50</b>	<b>11.50-12.40</b>	<b>01.40-02.30</b>	<b>02.30-03.20</b>	<b>3.30-4.20</b>	<b>04.20-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	PP-I	Library	POC-II	Library	Batch I: POC-II Lab Batch II: MICRO Lab			
<b>Tuesday</b>	PE	MICRO	Library	PP-I Tutorial	Batch I: PP-I Lab Batch II: POC-II Lab			
<b>Wednesday</b>	POC-II	PP-I	Library	PE Tutorial	Batch I: MICRO Lab Batch II: PE Lab			
<b>Thursday</b>	PP-I	MICRO Tutorial	UHV	Library	Batch I: PE Lab Batch II: PP-I Lab			
<b>Friday</b>	PE	POC-II	UHVTutorial	Library	MICRO	Library	PE	Sports/Library
<b>Saturday</b>	MICRO	POC-II Tutorial	Library	UHV	Sports/Library			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

  
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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP301T/ BP305P	Pharmaceutical Organic Chemistry II (POC-II)	Mr. Y. Suresh	Mr. Y. Suresh
BP302T/ BP306P	Physical Pharmaceutics-I (PP-I)	Mr. B. Subbarayudu	Mr. B. Subbarayudu
BP303T/ BP307P	Pharmaceutical Microbiology (MICRO)	Mr. G. Mohan	Mr. G. Mohan
BP304T/ BP308P	Pharmaceutical Engineering (PE)	Mrs. V. Leela Lakshmi	Mrs. V. Leela Lakshmi
BP310MC/ -----	Universal Human Values (UHV)	Mr. C. Nagendrakumar	-----

  
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	<b>NARAYANA PHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>V</b>	<b>A</b>	<b>2023-2024</b>	<b>2021</b>	<b>03.10.2023</b>

HOUR →	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	MC-II	COG-II	IP-I	Library	COL-II	Library	COG-II Tutorial	Sports/Library
<b>Tuesday</b>	IP-I	COL-II	Library	JURIS	MC-II Tutorial	COL-II	JURIS	Sports/Library
<b>Wednesday</b>	Batch I: COL-II Lab Batch II: COG-II Lab				COG-II	IP-I	JURIS Tutorial	Sports/Library
<b>Thursday</b>	Batch I: IP-I Lab Batch II: COL-II Lab				MC-II	Library	IP-I Tutorial	Sports/Library
<b>Friday</b>	Batch I: COG-II Lab Batch II: IP-I Lab				JURIS	Library	COG-II	Sports/Library
<b>Saturday</b>	MC-II	Library	COL-II Tutorial	Library	Sports/Library			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

  
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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP501T/ -----	Medicinal Chemistry II (MC-II)	Mrs. Ch. Lalitha	-----
BP502T/ BP506P	Industrial PharmacyI(IP-I)	Mrs. B. Purna Sai	Mrs. B. Purna Sai
BP503T/ BP507P	PharmacologyII (COL-II)	Ms. P. Maha Lakshmi	Ms. P. Maha Lakshmi
BP504T/ BP508P	PharmacognosyandPhytochemistryII(COG-II)	Mr. SB. Krishna moorthy	Mr. SB. Krishna moorthy
BP505T/ -----	PharmaceuticalJurisprudence (JURIS)	Mrs. P. Pavani	-----

  
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	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>V</b>	<b>B</b>	<b>2023-2024</b>	<b>2021</b>	<b>03.10.2023</b>

<b>HOUR →</b>	<b>9.10-10.00</b>	<b>10.00-10.50</b>	<b>11.00-11.50</b>	<b>11.50-12.40</b>	<b>01.40-02.30</b>	<b>02.30-03.20</b>	<b>3.30-4.20</b>	<b>04.20-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	JURIS	COL-II	MC-II Tutorial	Library	COG-II	Library	COL-II Tutorial	Sports/Library
<b>Tuesday</b>	MC-II	COG-II	IP-I	Library	Batch I: COG-II Lab Batch II: IP-I Lab			
<b>Wednesday</b>	IP-I	JURIS	COG-II Tutorial	Library	Batch I: IP-I Lab Batch II: COL-II Lab			
<b>Thursday</b>	COG-II	Library	JURIS	Library	Batch I: COL-II Lab Batch I: COG-II Lab			
<b>Friday</b>	MC-II	COL-II	Library	IP-I Tutorial	COL-II	Library	JURIS Tutorial	Sports/Library
<b>Saturday</b>	IP-I	Library	MC-II	Library	Sports/Library			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM</b>			<b>AFTER NOON BREAK:</b>		
			<b>3.20-3.30 PM</b>					

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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP501T/ -----	Medicinal Chemistry II (MC-II)	Mrs. Ch. Lalitha	-----
BP502T/ BP506P	Industrial PharmacyI(IP-I)	Mr. N. Praveen kumar	Mr. N. Praveen kumar
BP503T/ BP507P	PharmacologyII (COL-II)	Mr. A. Ravi kumar	Mr. A. Ravi kumar
BP504T/ BP508P	PharmacognosyandPhytochemistryII(COG-II)	Mrs. Y. Ratnakumari	Mrs. Y. Ratnakumari
BP505T/ -----	PharmaceuticalJurisprudence (JURIS)	Mrs. P. Pavani	-----

  
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	<b>ACADEMIC TIME TABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B. PHARM</b>	<b>VII</b>	<b>A</b>	<b>2023-2024</b>	<b>2020</b>	<b>01.08.2023</b>

<b>HOUR →</b>	<b>9.10-10.00</b>	<b>10.00-10.50</b>	<b>11.00-11.50</b>	<b>11.50-12.40</b>	<b>01.40-02.30</b>	<b>02.30-03.20</b>	<b>3.30-4.20</b>	<b>04.20-05.00</b>
<b>DAY ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Monday</b>	NDDS	IP-II	ANALYSIS	Library	PP	Library	ANALYSIS Tutorial	Sports/Library
<b>Tuesday</b>	NDDS	ANALYSIS	Library	IP-II Tutorial	Batch I: Practice School Batch II: Practice School			
<b>Wednesday</b>	IP-II	ANALYSIS	PP	Library	Batch I: Instrumental Methods of Analysis Batch II: Practice School			
<b>Thursday</b>	IP-II	LIBRARY	NDDS	PP Tutorial	Batch I: Practice School Batch II: Instrumental Methods of Analysis			
<b>Friday</b>	PP	NDDS Tutorial	Library	ANALYSIS	Batch I: Practice School Batch II: Practice School			
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

  
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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP701T/ BP705P	Instrumental Methods of Analysis (ANALYSIS)	Mrs. C. Supraja	Mrs. C. Supraja
BP702T/ -----	Industrial Pharmacy-II (IP-II)	Mr. C. Nagendrakumar	-----
BP703T/ -----	Pharmacy Practice (PP)	Mrs. G. Udaya	-----
BP704T/ -----	Novel Drug Delivery System (NDDS)	Mr. A. Avinash	-----
-----/BP706PS	Practice School	-----	-----

  
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NARAYANA PHARMACY COLLEGE  
NELLORE - 524 002.



# **NARAYANA PHARMACY COLLEGE**

(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)

Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,

ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.

Phone & Fax No :0861-2317966; Cell No :+91- 9392901053

Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

	NARAYANA PHARMACY COLLEGE, Nellore-524002					
	ACADEMIC TIME TABLE					
	COURSE	SEMESTER	SECTION	A/Y	BATCH	W.E.F
	B. PHARM	VII	B	2023-2024	2020	01.08.2023

HOUR →	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	Batch I: Practice School Batch II: Practice School				ANALYSIS	IP-II	NDDS Tutorial	Sports/Library
<b>Tuesday</b>	Batch I: Practice School Batch II: Practice School				NDDS	ANALYSIS	PP Tutorial	Sports/Library
<b>Wednesday</b>	PP	NDDS	ANALYSIS	Library	IP-II	Library	ANALYSIS Tutorial	Sports/Library
<b>Thursday</b>	Batch I: Instrumental Methods of Analysis Batch II: Practice School				ANALYSIS	PP	IP-II Tutorial	Sports/Library
<b>Friday</b>	Batch I: Practice School Batch II: Instrumental Methods of Analysis				IP-II	PP	NDDS	Sports/Library
<b>MORNING BREAK: 10.50 -11.00 AM</b>			<b>LUNCH BREAK: 12.40 -1.40 PM 3.20-3.30 PM</b>			<b>AFTER NOON BREAK:</b>		

  
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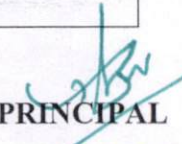
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SUBJECT CODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP701T/ BP705P	Instrumental Methods of Analysis (ANALYSIS)	Mr. T. Vinod kumar	Mr. T. Vinod kumar
BP702T/ -----	Industrial Pharmacy-II (IP-II)	Mr. C. Nagendrakumar	-----
BP703T/ -----	Pharmacy Practice (PP)	Mrs. G. Udaya	-----
BP704T/ -----	Novel Drug Delivery System (NDDS)	Mr. A. Avinash	-----
-----/BP706PS	Practice School	-----	-----

  
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	NARAYANAPHARMACYCOLLEGE,Nellore-524002					
	ACADEMICTIMETABLE					
	COURSE	SEMESTER	SECTION	A/Y	BATCH	W.E.F
	B.PHARM	VIII	A	2023-2024	2020	18.12.2023

HOUR	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
Monday	SPP	Library	BIOSTAT	PMM	Projectwork			
Tuesday	SPP	Cosmetics	BIOSTAT	Library	Projectwork			
Wednesday	SPP	Cosmetics	PMM	Library	Projectwork			
Thursday	PMM	SPP	Cosmetics	BIOSTAT	Projectwork			
Friday	Cosmetics	BIOSTAT	Library	PMM	Projectwork			

  
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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP801T/-----	BiostatisticsandResearchMethodology(BIOSTAT)	Ms. R. Vijaya	-----
BP802T/-----	SocialandPreventivePharmacy(SPP)	Mrs. P. Padmavathidevi	-----
BP805ET/-----	Pharmacovigilance (PV)	Dr. C. Lalitha/ M. Sai Charan	-----
BP809ET/-----	CosmeticScience(Cosmetics)	Dr.A.Avinash	-----
-----/BP813PW	ProjectWork	-----	-----

  
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	<b>NARAYANAPHARMACYCOLLEGE,Nellore-524002</b>					
	<b>ACADEMICTIMETABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B.PHARM</b>	<b>VIII</b>	<b>B</b>	<b>2023-2024</b>	<b>2020</b>	<b>18.12.2023</b>

HOUR	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	PMM	BIOSTAT	Cosmetics	Library	Projectwork			
<b>Tuesday</b>	PMM	BIOSTAT	SPP	Cosmetics	Projectwork			
<b>Wednesday</b>	BIOSTAT	Library	SPP	Cosmetics	Projectwork			
<b>Thursday</b>	Cosmetics	Library	PMM	SPP	Projectwork			
<b>Friday</b>	SPP	PMM	Library	BIOSTAT	Projectwork			
<b>MORNINGBREAK:10.50-11.00AM</b>			<b>LUNCHBREAK:12.40 -1.40PM</b>			<b>AFTERNOONBREAK:3.20-3.30PM</b>		

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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP801T/-----	BiostatisticsandResearchMethodology(BIOSTAT)	Ms. R. Vijaya	-----
BP802T/-----	SocialandPreventivePharmacy(SPP)	Mrs.B.Purnasai	-----
BP805ET/-----	Pharmacovigilance (PV)	Ms. P. Sasikala/ M. Sai Charan	-----
BP809ET/-----	CosmeticScience(Cosmetics)	Dr.A.Avinash	-----
-----/BP813PW	ProjectWork	-----	-----

  
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	<b>NARAYANAPHARMACYCOLLEGE,Nellore-524002</b>					
	<b>ACADEMICTIMETABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B.PHARM</b>	<b>VI</b>	<b>A</b>	<b>2022-2023</b>	<b>2020</b>	<b>06-02-2023</b>

HOURL	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	QA	COL-III	MC-III	BIOTECH	HDT	MC-III	BIOTECH	Library/Sports
<b>Tuesday</b>	Batch I: MC-III LabBatchII:COL-III Lab				MC-III	COL-III	BPPK	HDT
<b>Wednesday</b>	BatchI: HDTLab BatchII: MC-III Lab				COL-III	QA	BPPK	Library/Sports
<b>Thursday</b>	BatchI: COL-III LabBatchII: HDT Lab				HDT	BPPK	BIOTECH	Library/Sports
<b>Friday</b>	COL-III	QA	HDT	MC-III	BIOTECH	QA	BPPK	Library/Sports
<b>Saturday</b>	StudentActivities				Sports/Library			
<b>MORNINGBREAK:10.50 -11.00AM</b>			<b>LUNCHBREAK:12.40-1.40PM</b>			<b>AFTERNOONBREAK: 3.20-3.30PM</b>		

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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP601T/BP607P	MedicinalChemistry-III(MC-III)	Mrs. C. Supraja	Mrs. C. Supraja
BP602T/BP608P	Pharmacology-I(COL-III)	Mrs. Sk. Aleesha	Mrs. Sk. Aleesha
BP603T/BP609P	HerbalDrugTechnology(HDT)	Mrs. A. Kiranmai	Mrs. A. Kiranmai
BP604T/-----	BiopharmaceuticsandPharmacokinetics(BPPK)	Dr. S. Sujatha	-----
BP605T/-----	PharmaceuticalBiotechnology(BIOTECH)	Mr. SBKrishnamoorthy	-----
BP606T/-----	QualityAssurance (QA)	Mrs.P. Pavani	-----

  
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	NARAYANAPHARMACYCOLLEGE,Nellore-524002					
	ACADEMICTIMETABLE					
	COURSE	SEMESTER	SECTION	A/Y	BATCH	W.E.F
	B.PHARM	VI	B	2022-2023	2020	06-02-2023

HOUR	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
Monday	BPPK	BIOTECH	MC-III	Library	QA	BPPK	HDT	Library/Sports
Tuesday	BIOTECH	BPPK	QA	COL-III	BatchI: MC-III Lab BatchII: COL-III Lab			
Wednesday	QA	Library	HDT	MC-III	BatchI: HDT Lab BatchII: MC-III Lab			
Thursday	MC-III	BIOTECH	BPPK	COL-III	BatchI: COL-III Lab BatchII: HDT Lab			
Friday	HDT	COL-III	BIOTECH	QA	HDT	MC-III	COL-III	Library/Sports
Saturday	Student Activities				Sports/Library			
MORNINGBREAK:10.50 -11.00AM			LUNCHBREAK:12.40-1.40PM			AFTERNOONBREAK: 3.20-3.30PM		

  
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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP601T/BP607P	MedicinalChemistry-III(MC-III)	Mrs.C. Lalitha	Mrs.C. Lalitha
BP602T/BP608P	Pharmacology-I(COL-III)	Mr.A. Ravikumar	Mr.A. Ravikumar
BP603T/BP609P	HerbalDrugTechnology(HDT)	Mrs.Y.Ratnakumari	Mrs.Y.Ratnakumari
BP604T/-----	BiopharmaceuticsandPharmacokinetics(BPPK)	Mr.P. Rambabu	-----
BP605T/-----	PharmaceuticalBiotechnology(BIOTECH)	Mr. SBKrishnamoorthy	-----
BP606T/-----	QualityAssurance (QA)	Mrs.P. Pavani	-----

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## NARAYANAPHARMACYCOLLEGE,Nellore-524002

### ACADEMICTIMETABLE

COURSE	SEMESTER	SECTION	A/Y	BATCH	W.E.F
B.PHARM	IV	A	2022-2023	2021	10.04.2023

HOUR →	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
Monday	PP-II	COG-I	MC-I	POC-III	Batch I: COG-I LabBatchII:COL-ILab			
Tuesday	PP-II	MC-I	COL-I	POC-III	BatchI:COL-ILabBatchII: PP-III Lab			
Wednesday	COL-I	COG-I	MC-I	PP-II	Batch I: PP-II LabBatchII:MC-ILab			
Thursday	MC-I	Library	COL-I	POC-III	Batch I: MC-I LabBatchII:COG-ILab			
Friday	COG-I	PP-II		Library	COL-I	POC-III	PP-II	Sports/Library
Saturday	StudentActivities				Sports/Library			
MORNINGBREAK:10.50 -11.00AM			LUNCH BREAK:12.40-1.40PM			AFTERNOONBREAK:3.20-3.30PM		

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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP401T/-----	PharmaceuticalOrganicChemistry-III(POC-III)	Mr. GV. Dillepkumar	-----
BP402T/BP406P	MedicinalChemistry-I(MC-I)	Mr. Y. Suresh	Mr. Y. Suresh
BP403T/BP407P	PhysicalPharmaceutics-II(PP-II)	Mr.C. Nagendrakumar	Mr.C. Nagendrakumar
BP404T/BP408P	Pharmacology-I(COL-I)	Ms.V. Sujitha	Ms.V. Sujitha
BP405T/BP409P	PharmacognosyandPhytochemistry-I(COG-I)	Mrs.G. Udaya	Mrs.G. Udaya

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	<b>NARAYANAPHARMACYCOLLEGE,Nellore-524002</b>					
	<b>ACADEMICTIMETABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B.PHARM</b>	<b>IV</b>	<b>B</b>	<b>2022-2023</b>	<b>2021</b>	<b>10.04.2023</b>

HOUR	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	MC-I	POC-III	COL-I	COG-I	MC-I	PP-II	POC-III	Sports/Library
<b>Tuesday</b>	BatchI: PP-IILab BatchII: COG-IILab				COG-I	MC-I	POC-III	Sports/Library
<b>Wednesday</b>	BatchI:MC-IILab BatchII: PP-IILab				POC-III	COL-I	COG-I	Sports/Library
<b>Thursday</b>	BatchI:COG-IILab BatchII: COL-IILab				PP-II	COL-I	PP-II	Sports/Library
<b>Friday</b>	BatchI:COL-IILab BatchII: MC-IILab				PP-II	MC-I	COL-I	Sports/Library
<b>Saturday</b>	StudentActivities				Sports/Library			
<b>MORNINGBREAK:10.50 -11.00AM</b>			<b>LUNCH BREAK:12.40-1.40PM</b>			<b>AFTERNOONBREAK:3.20-3.30PM</b>		

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SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP401T/-----	PharmaceuticalOrganicChemistry– III(POC-III)	Mr. GV. Dillepkumar	-----
BP402T/BP406P	MedicinalChemistry–I(MC-I)	Mrs.S. Vijitha	Mrs.S. Vijitha
BP403T/BP407P	PhysicalPharmaceutics–II(PP-II)	Mr.G. Mohan	Mr.G. Mohan
BP404T/BP408P	Pharmacology-I(COL-I)	Mr.D. Pitchaiah	Mr.D. Pitchaiah
BP405T/BP409P	PharmacognosyandPhytochemistry-I(COG-I)	Dr.M.Krishnaveni	Dr.M.Krishnaveni

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	<b>NARAYANAPHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMICTIMETABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B.PHARM</b>	<b>II</b>	<b>A</b>	<b>2022-2023</b>	<b>2022</b>	<b>26-06-2023</b>

HOUR	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY ↓	1	2	3	4	5	6	7	8
<b>Monday</b>	HAP-II	BIOCHEM	POC-I	PATHO	POC-I	EVS	CAP	Sports/Library
<b>Tuesday</b>	BatchI: HAP-II Lab BatchII: POC-I Lab				CAP	HAP-II	POC-I	Sports/Library
<b>Wednesday</b>	BatchI: POC-I Lab BatchII: BIOCHEM Lab				POC-I	PATHO	BIOCHEM	Sports/Library
<b>Thursday</b>	BatchI: BIOCHEM Lab BatchII: HAP-II Lab				BIOCHEM	HAP-II	EVS	Sports/Library
<b>Friday</b>	CAP	HAP-II	PATHO	BIOCHEM	CAPLAB		PATHO	Sports/Library
<b>Saturday</b>	Student Activities				Sports/Library			
<b>MORNINGBREAK: 10.50 - 11.00AM</b>			<b>LUNCHBREAK: 12.40-1.40PM</b>			<b>AFTERNOONBREAK: 3.20-3.30PM</b>		

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**NELLORE - 524 002.**





# **NARAYANA PHARMACY COLLEGE**

(Approved by PCI & AICTE, New Delhi) (Affiliated to JNTUA Ananthapuramu)

Recognized u/s 2(f) & 12(B) of the UGC Act, 1956, New Delhi,


ISO 9001:2015 Certified Institution

Chinthareddypalem, Nellore-524003, A.P. India.

Phone & Fax No :0861-2317966; Cell No :+91- 9392901053

Email: principal.npc@narayanagroup.com Visit us:www.narayanapharmacycollege.com

SUBJECTCODE (THEORY/LAB)	SUBJECT	FACULTY	
		THEORY	LAB
BP201T/BP207P	HumanAnatomyandPhysiology-II(HAP-II)	Mr. D. Mahidhar	Mr. D. Mahidhar
BP202T/BP208P	PharmaceuticalOrganicChemistryI(POC-I)	Mrs.Sk.Salma	Mrs.Sk.Salma
BP203T/BP209P	Biochemistry(BIOCHEM)	Mr.T. Vinod kumar	Mr. T. Vinod kumar
BP204T/-----	Pathophysiology(PATHO)	Mrs. Md. Jumana	-----
BP205T/ BP210P	ComputerApplicationsinPharmacy(CAP)	Ms. M. Naga priyanka	Ms. M. Naga priyanka
BP206T/-----	Environmentalsciences (EVS)	Mr.G. Adinarayana	-----

  
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	<b>NARAYANAPHARMACY COLLEGE, Nellore-524002</b>					
	<b>ACADEMICTIMETABLE</b>					
	<b>COURSE</b>	<b>SEMESTER</b>	<b>SECTION</b>	<b>A/Y</b>	<b>BATCH</b>	<b>W.E.F</b>
	<b>B.PHARM</b>	<b>II</b>	<b>B</b>	<b>2022-2023</b>	<b>2022</b>	<b>26-06-2023</b>

HOURL	9.10-10.00	10.00-10.50	11.00-11.50	11.50-12.40	01.40-02.30	02.30-03.20	3.30-4.20	04.20-05.00
DAY	1	2	3	4	5	6	7	8
Monday	POC-I	PATHO	HAP-II	Library	HAP-II	BIOCHEM	POC-I	Sports/Library
Tuesday	CAP	BIOCHEM	PATHO	BIOCHEM	POC-I	CAPLAB		Sports/Library
Wednesday	CAP	Library	PATHO	HAP-II	BatchI: BIOCHEMLab BatchII: HAP-II Lab			
Thursday	POC-I	EVS	PATHO	Library	BatchI: POC-I Lab BatchII: BIOCHEMLab			
Friday	PATHO	BIOCHEM	EVS	Library	BatchI: HAP-II Lab BatchII: POC-I Lab			
Saturday	StudentActivities				Sports/Library			
MORNINGBREAK:10.50 -11.00AM			LUNCHBREAK:12.40-1.40PM			AFTERNOONBREAK: 3.20-3.30PM		

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BP202T/BP208P	PharmaceuticalOrganicChemistryI(POC-I)	Mrs.V. Leelalakshmi	Mrs.V. Leelalakshmi
BP203T/BP209P	Biochemistry(BIOCHEM)	Mr.N. Praveen kumar	Mr.N. Praveen kumar
BP204T/-----	Pathophysiology(PATHO)	Mr. B. Subbarayudu	-----
BP205T/ BP210P	ComputerApplicationsinPharmacy(CAP)	Ms. M. Naga priyanka	Ms. M. Naga priyanka
BP206T/-----	Environmentalsciences (EVS)	Mr. G. Adinarayana	-----

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Code: 17T00301

Pharm.D III Year Regular & Supplementary Examinations August/September 2024

**PHARMACOLOGY - II**

(Pharm.D)

Time: 3 hours

Max. Marks: 70

**PART - A**

(Compulsory Question)

\*\*\*\*\*

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write the mechanism action, adverse effect of uses of furosemide. 2M
  - (b) Write mechanism and uses of ranitidine. 2M
  - (c) Classify antimalarial agent. 2M
  - (d) Write about mechanism of Metronidazole. 2M
  - (e) What is Levamisole? Write its mechanism and uses. 2M
  - (f) Write mechanism and uses of Glucocorticoids as immunosuppressants. 2M
  - (g) Write the stages of interphase. 2M
  - (h) Explain the Role of Ras in cell communication. 2M
  - (i) What are oncogenes? Give examples. 2M
  - (j) What is mutation? Add a note on types of mutations. 2M

**PART - B**

(Answer all five units, 5 X 10 = 50 Marks)

- 2 (a) Write a note on plasma volume expanders. Write about the pharmacology of heparin. 5M  
(b) Write about pharmacology of mannitol. 5M
- OR**
- 3 (a) Classify antiemetic drugs. Write about pharmacology of ondansetron. 5M  
(b) Write about pharmacology of Sulfonylureas drugs. 5M
- 4 (a) Discuss the Mechanism of action, Therapeutic uses and adverse effects of following drugs: 5M  
(i) Fluorouracil, (ii) Tetracycline.  
(b) Discuss the pharmacology of Acyclovir. 5M
- OR**
- 5 (a) Classify Anticancer drugs. Write the pharmacology of Cyclophosphamide. 5M  
(b) Describe the pharmacology of Amphotericin -B. 5M
- 6 Write the general principles involved in toxicity. Discuss briefly about subacute studies and write the Importance of toxicity studies. 10M
- OR**
- 7 Classify immunostimulants. Write the mechanism of action, adverse drug reaction, and therapeutic uses of BCG, interferons and thalidomide. 10M
- 8 (a) Describe the signal transduction pathway of p38 kinases pathway. 5M  
(b) Write a note on steps involved in prokaryotic DNA replication. 5M
- OR**
- 9 (a) Define biosensors. Mention types of biosensors and explain any two methods. 5M  
(b) Describe the signal transduction pathway JNK kinases pathway. 5M
- 10 (a) Describe the steps involved in recombinant DNA technology. Add a note on their pharmaceutical applications. 5M  
(b) Write a note on mutation and amplification. 5M
- OR**
- 11 (a) Describe the mechanism and various steps involved in protein synthesis with suitable examples. 5M  
(b) Discuss in detail about tumour suppressor gene. 5M

\*\*\*\*\*



Code: 17T00201

Pharm.D II Year Regular & Supplementary Examinations September 2024

**PATHOPHYSIOLOGY**

(Pharm.D)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

\*\*\*\*\*

1 Answer the following: (10 X 02 = 20 Marks)

- |   |    |
|---|----|
| (a) Define inflammation.  | 2M |
| (b) Write two examples for injuries caused by microbial agents.               | 2M |
| (c) Where the class II MHC will be located?                                   | 2M |
| (d) Write the different mode of entry of organism in urinary tract infection. | 2M |
| (e) What is angiogenesis?   | 2M |
| (f) Write two examples for constitutional factors causing cancer.             | 2M |
| (g) What is malnutrition?   | 2M |
| (h) Write two examples for complication of radiation.                         | 2M |
| (i) Define hypertension.  | 2M |
| (j) Write the etiology of peptic ulcer.                                       | 2M |

**PART – B**

(Answer all five units, 5 X 10 = 50 Marks)

- |  |     |
|--|-----|
| 2 (a) Discuss in detail about effects of free radicals and loss of calcium homeostasis in cell injury. | 6M  |
| (b) Write about cellular adaptive changes during cell injury.  | 4M  |
| <b>OR</b>  |     |
| 3 Define acute inflammation and explain the pathogenesis of acute inflammation.                        | 10M |
| 4 (a) Discuss in detail about the criteria for autoimmunity.   | 6M  |
| (b) Write the classification of autoimmune disease.  | 4M  |
| <b>OR</b>  |     |
| 5 Elaborate about the pathogenesis of acquired immune deficiency syndrome.                             | 10M |
| 6 (a) Explain the general biology of tumors.   | 6M  |
| (b) Explain the metastasis process.  | 4M  |
| <b>OR</b>  |     |
| 7 Discuss in detail about the spread of tumors.  | 10M |
| 8 (a) Write the different mechanism of shock.  | 6M  |
| (b) Short notes on protein calorie malnutrition.   | 4M  |
| <b>OR</b>  |     |
| 9 (a) Explain the management of shock.   | 6M  |
| (b) Short note on starvation.  | 4M  |
| 10 Write the stages and pathogenesis of chronic renal failure.   | 10M |
| <b>OR</b>  |     |
| 11 (a) Brief about alcoholic liver diseases.   | 4M  |
| (b) Write the pathogenesis of asthma.  | 6M  |

\*\*\*\*\*

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**NARAYANA PHARMACY COLLEGE**

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B.Pharm I Year I Semester (R23) Regular Examinations April 2024

**COMMUNICATION SKILLS**

(B.Pharmacy)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

\*\*\*\*\*

1 Answer the following: (10 X 02 = 20 Marks)

- |   |    |
|---|----|
| (a) Define communication.   | 2M |
| (b) What is encoding?   | 2M |
| (c) Define artefacts.   | 2M |
| (d) Ambience communicates a lot - do you agree? State reasons.        | 2M |
| (e) What are linkers?   | 2M |
| (f) Who is a marginal listener?                                       | 2M |
| (g) How do you introduce yourself in an interview?                    | 2M |
| (h) What is the first step in presentations?                          | 2M |
| (i) Group discussion is a great way to exchange ones views – Discuss. | 2M |
| (j) What is the significance of chronemics in group discussion?       | 2M |

**PART – B**

(Answer all the questions: 05 X 10 = 50 Marks)

- |  |     |
|--|-----|
| 2 (a) Describe the importance of Communication.                                    | 5M  |
| (b) How would you describe an effective communication?                             | 5M  |
| <b>OR</b>  |     |
| 3 (a) What are the greatest challenges to good communication?                      | 5M  |
| (b) What is the role of feedback in the process of communication?                  | 5M  |
| 4 (a) Summarize the significance of body language in Verbal communication.         | 5M  |
| (b) Discuss the elements of communication.   | 5M  |
| <b>OR</b>  |     |
| 5 Describe the communication style matrix with examples.                           | 10M |
| 6 (a) Narrate the differences between hearing and listening.                       | 5M  |
| (b) Mention the advantages of written communication.                               | 5M  |
| <b>OR</b>  |     |
| 7 (a) Enumerate the role of 'knowing the audience' in written communication.       | 5M  |
| (b) Give a note on the different types of listeners.                               | 5M  |
| 8 Summarize the techniques of delivery while giving presentations.                 | 10M |
| <b>OR</b>  |     |
| 9 Explain the process of interview preparation.                                    | 10M |
| 10 How are the candidates analyzed in a group discussion?                          | 10M |
| <b>OR</b>  |     |
| 11 What type of mistakes should you avoid while communicating in group discussion? | 10M |

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**NARAYANA PHARMACY COLLEGE**  
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B.Pharm I Year I Semester (R23) Regular Examinations April 2024

**PHARMACEUTICAL INORGANIC CHEMISTRY**

(B.Pharmacy)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

\*\*\*\*\*

1 Answer the following: (10 X 02 = 20 Marks)

- |   |    |
|---|----|
| (a) Define Pharmacopoeia.                   | 2M |
| (b) Mention any two sources for Impurity.   | 2M |
| (c) Define Buffer Capacity.                 | 2M |
| (d) What is ORS?                            | 2M |
| (e) Define Cathartics.                      | 2M |
| (f) What is Chlorinated lime?               | 2M |
| (g) Define Emetic.                          | 2M |
| (h) Define Astringent.                      | 2M |
| (i) Define Radiopharmaceuticals.            | 2M |
| (j) Mention any two Radioactive Substances. | 2M |

**PART – B**

(Answer all the questions: 05 X 10 = 50 Marks)

- |   |    |
|---|----|
| 2 (a) Write the official Pharmacopoeial Analytical Standards to determine the Impurity. | 5M |
| (b) Write a note on official storage standards of Pharmaceutical Substances.            | 5M |
| <b>OR</b>   |    |
| 3 (a) Describe the limit test for Chlorides.  | 5M |
| (b) Describe the limit test for Heavy Metals.   | 5M |
| 4 (a) What are Buffer equations – Elaborate?  | 5M |
| (b) What are the measurements of Buffered Isotonic Solutions?                           | 5M |
| <b>OR</b>   |    |
| 5 (a) Discuss on Acid Base balance.   | 5M |
| (b) What are desensitizing agents in Dental care?                                       | 5M |
| (a) Give a note on Acidifiers.  | 5M |
| (b) Write about Aluminium Hydroxide Gel.  | 5M |
| <b>OR</b>   |    |
| 7 (a) Write about Cathartics.   | 5M |
| (b) Write about Iodine Preparations.  | 5M |
| 8 (a) Give a note on Ammonium Chloride.   | 5M |
| (b) Give a note on Haematinics.   | 5M |
| <b>OR</b>   |    |
| 9 (a) What is Activated Charcoal define its role?                                       | 5M |
| (b) Write a note on Zinc Sulphate.  | 5M |
| 10 (a) Mention about Radioactive Isotopes.  | 5M |
| (b) Discuss the measurement of Radioactivity.   | 5M |
| <b>OR</b>   |    |
| 11 (a) What are the storage conditions of Radioactive Isotopes?                         | 5M |
| (b) Mention the applications of Radioactive Substances. Discuss.                        | 5M |


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B.Pharm IV Year I Semester (R15) Supplementary Examinations June/July 2024

**PHARMACOVIGILANCE**

(B.Pharmacy)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

\*\*\*\*\*

- 1 Answer the following: (10 X 02 = 20 Marks)
- What are the objectives of Pharmacovigilance Programme of India (PvPI)?
  - Who is monitoring Pharmacovigilance in India and what are its responsibilities?
  - What are the requirements in establishing a Pharmacovigilance centre?
  - What are the roles and responsibilities of Pharmacists in Pharmacovigilance?
  - What are sentinel sites?
  - What is a case control study?
  - What is spontaneous reporting system?
  - Who are the regulatory authorities to report an ADR?
  - What is the importance of effective communication in Pharmacovigilance?
  - Why communication to regulatory agencies is important?

**PART – B**

(Answer all the questions: 05 X 10 = 50 Marks)

- 2 (a) Explain the history and development of Pharmacovigilance in India.  
(b) Describe the WHO's initiatives in drug safety monitoring.
- OR**
- 3 (a) Discuss the merits and demerits of Pharmacovigilance program of India.  
(b) Explain the governance structure and effective implementation of pharmacovigilance in India.
- 4 (a) Discuss the various SOPs in maintenance and training at a Pharmacovigilance centre.  
(b) Explain the importance of establishing of drug safety department in Industry.
- OR**
- 5 (a) Describe the role of Contract Research Organisations and Market authorisation holders in Pharmacovigilance.  
(b) Explain the importance of establishing a national pharmacovigilance programme.
- 6 (a) Discuss the various methods of Pharmacovigilance in drug safety monitoring.  
(b) Compare cross sectional study and case control study in ADR monitoring.
- OR**
- 7 (a) Discuss the importance of active surveillance in drug event monitoring.  
(b) Explain the process of stimulated reporting with suitable examples.
- 8 (a) Explain the guidelines for reporting ADRs in biomedical literature.  
(b) Discuss the frequently followed ADR reporting system in hospitals.
- OR**
- 9 (a) Explain the various steps in reporting ADRs to regulatory authorities.  
(b) Discuss the steps in establishing an ADR monitoring system in a hospital setup.
- 10 (a) Discuss the importance of effective communication in Pharmacovigilance.  
(b) Explain the informations to communicate to regulatory agencies in pharmacovigilance.
- OR**
- 11 (a) Describe the importance of newsletter in Communication of ADRs.  
(b) Explain the various healthcare facilities required for effective Pharmacovigilance.

\*\*\*\*\*



Code: 15R00704

B.Pharm IV Year I Semester (R15) Supplementary Examinations June/July 2024

**MEDICINAL CHEMISTRY – II**  
(B.Pharmacy)

Max. Marks: 70

Time: 3 hours

**PART – A**  
(Compulsory Question)

\*\*\*\*\*

- 1 Answer the following: (10 X 02 = 20 Marks)
- What are Loop Diuretics?
  - Outline the Synthesis of Furosemide.
  - Write the Structure, Class and use of Hydralazine.
  - Write the structure and mechanism of action of Minoxidil.
  - Write the Mechanism of action of Antityroid Drugs.
  - Write the Structure and use of any one Biguanides.
  - Outline the Synthesis of Paracetamol.
  - Write the structure and use of Allopurinol.
  - Write the structure of Tetracycline and Ampicillin.
  - Mention Structure and use of any one beta lactamase inhibitors.

**PART – B**

(Answer all the questions: 05 X 10 = 50 Marks)

- Write the synthesis and mechanism of action of any one Thiazide Diuretics.
  - Define and classify Diuretics. Write the structure and mechanism of action of Ethacrynic acid.
- OR**

  - Write in detail about Carbonic Anhydrase Inhibitors with suitable examples?
  - Write the synthesis and mechanism of action of Captopril.
- Define and classify Antihypertensives. Write the SAR of Beta Blockers.
  - Write the chemistry and mechanism of action of Amlodipine.
- OR**

  - Write the chemistry and mechanism of action of Calcium Channel Blockers.
  - Write a brief note of Antithrombotic Agents with suitable examples.
- Classify Oral Antidiabetic Agents. Write the chemistry of Pioglitazone.
  - Explain the chemistry, use and mechanism of action of Levothyroxine.
- OR**

  - Write a note on Anticoagulants with suitable examples.
  - Explain the chemistry, use and mechanism of action of Tolbutamide.
- Write a note on Anti Migraine Agents.
  - Write the synthesis and mechanism of action of Diclofenac.
- OR**

  - Write the synthesis and mechanism of action of Tramadol.
  - Write a note on chemistry of NSAIDs.
- Write a detail about beta Lactam Antibiotics.
  - Explain the chemistry and mechanism of action of tetracyclines.
- OR**

  - Explain the SAR of Aminoglycosides.
  - Write the synthesis and mechanism of action of Cepalexin.

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