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Web : www.srcpnandyal.edu.in

# **SANTHIRAM COLLEGE OF PHARMACY**

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

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**1.1.1**

## **COLLEGE ACADEMIC COMMITTEE**

**(CAC)**

**2022-23**





**SANTHIRAM COLLEGE OF PHARMACY**  
Approved by Govt. of A.P., A.I.C.T.E & P.C.I. - NEW DELHI,  
Affiliated to Jawaharlal Nehru Technological University, Anantapur-515002  
NH40, NERRAWADA, NANDYAL, KURNOOL DIST. A.P.-518501

**AGENDA OF CAC for the AY: 2022-23 I Sem Dt: 20.06.2022**

1. Academic & Institutional Calendars
2. Subject allotment, workload and framing time tables for faculty.
3. Inviting study materials and laboratory manuals.
4. Inviting lesson plans and Lab schedules from the entire faculty.
5. Framing, reconstitution and measures of all institutional committees
6. Inviting proposals for facilities to be created in the Institution.
7. Inviting proposals for purchasing of instruments, glass wares, chemicals etc.
8. Result analysis
9. Review on research publications
10. Review on Co-Curricular & Extracurricular activities
11. Review on student's performance in scientific activities
12. Rules and regulations for staff (SOP's)
13. Student counsel system update
14. Any other academic issues.



  
**PRINCIPAL**  
Principal  
Santhiram College of Pharmacy  
NH-40, NANDYAL

  
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Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.




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**Minuets of College Academic Committee (CAC) which held on 20.06.2022**

Discussed the performance of the following academic matters of all pharmacy courses in this institution for the academic year 2022-23 I SEM and reviews/suggestions are recorded as follows

S.no	Particulars	Enclosures	Action taken / Remarks
1	Academic & Institutional Calendar	Annexure-I	Institutional activity calendar, NSS calendars Academic calendars and examination schedules were prepared.
2	Subject allotment, workload & Timetables	Annexure-I	Subjects were allotted to the faculty as per their concerned department with not more than 22 hrs/week, Timetable for all classes & Utilization free staff for academic discipline was resolved.
3	Study materials, lab manuals from faculty	Annexure-III	Study materials, lab manuals were invited from faculty and submitted
4	Lesson plans, lab schedules from the faculty	Annexure-IV	Lesson plans, schedules were invited from the faculty and submitted
5	Framing, reconstitution and measures of all institutional committees	Annexure-V	All the committee and other committees framed and the performance is satisfied
6	Institutional facility proposals	Annexure-VI	The necessary institution facilities are discussed
7	Proposals for Instruments, library books, glassware & chemicals purchase	Annexure-VII	Instruments, library books, glassware, chemicals purchases orders were proposed and initiation for purchasing and repair of instruments etc.
8	Review on condonation, detained, dropout students and University examination results.	Annexure-VIII	University examination results & students regularity were reviewed and directed for better results.
9	Review on research publications	Annexure-IX	SCI/Scopus research publications were invited from the faculty and submitted
10	Review on student's performance in Institutional activities	Annexure-X	Reviewed on <ul style="list-style-type: none"><li>• Placement &amp; training facilities</li><li>• performance in competitive examinations</li><li>• CO-curricular &amp; Extracurricular activities</li></ul>
11	SOP's for the staff on academic requirements and discipline	Annexure- XI	Rules and regulations for the students and staff were framed based on requirement and best practices
12	Students counsel system updating	Annexure- XII	The effective & recorded mentor-mentee system has to be updated



  
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**AGENDA OF CAC for the AY: 2022-23 II Sem Dt: 18.01.2023**

1. Academic & Institutional Calendars
2. Subject allotment, workload and framing time tables for faculty.
3. Inviting study materials and laboratory manuals.
4. Inviting lesson plans and Lab schedules from the entire faculty.
5. Inviting proposals for facilities to be created in the Institution.
6. Result analysis
7. Review on research publications
8. Rules and regulations for staff (SOP's)
9. Student counsel system updation
10. Any other academic issues.

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**MEMBERS OF COLLEGE ACADAMIC COMMITTEE (CAC)**

**ATTENDED FOR THE MEETING Dt: 18.01.2023**

S.No	Name of the member	Designation	Mobile no. & Email	Signature
1	Dr. C. Madhusudha Chetty, Principal	Chairman	9866308468 drcmchetty@srcpnandyal.edu.in	
2	Dr. R.E. Ugandar Prof. of Dept. of Ph.Practice	Member	8618910930 drugandar@srcpnandyal.edu.in	
3	Dr. S.V. Suresh Kumar Prof. of Dept. of Ph.Cognosy	Member	9704057675 svsureshkumar@srcpnandyal.edu.in	
4	Dr. L. Siva Shankar Reddy, Prof. of Dept. Ph. Analysis	Member	9885697242 lsivasankarreddy@srcpnandyal.edu.in	
5	Dr. A.V. Badrinath, Prof. of Dept. Ph. Ceutics	Member	9440916296 badrinath@srcpnandyal.edu.in	
6	Dr. P. Praveen Kumar Prof. of Dept. Ph. Cology	Member	9000561611 ppraveenkumar@srcpnandyal.edu.in	
7	Dr. Shaik Muneer Prof. of Dept. Ph. Chemistry	Member	9440046268 smuneer@srcpnandyal.edu.in	
8	Dr. K. Ravi Kumar Prof. of Dept. Indl. Pharmacy	Member	9704129298 kravikumar@srcpnandyal.edu.in	
9	Mr. K. Sampath Kumar NSS Co-Ordinator	Member	8331819361 ksampathkumar@srcpnandyal.edu.in	
10	Mrs. M.Manorama I/c-Central Stores	Member	9989490874 mmanoram@srcpnandyal.edu.in	
11	Mr. R. Niranjan Kumar, Exam cell I/c	Co- Ordinator	8125004838 niranjan@srcpnandyal.edu.in	



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N: J, NANDYAL

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**AY: 2022-2023**



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# **Criterion 1- Curricular Aspects**

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## **1.1**

# **Curricular Planning and Implementation**



## **SANTHIRAM COLLEGE OF PHARMACY**

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### 1.1.1

The institution ensures effective curriculum planning and delivery through a well planned and documented process including academic calendar and conduct of continuous internal assessment

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# **1.1.1 Consolidated Report**



# SANTHIRAM COLLEGE OF PHARMACY

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## Criterion 1- Curricular Aspects

### 1.1 Curricular Planning and Implementation

- 1.1.1 The institution ensures effective curriculum planning and delivery through a well planned and documented process including Academic calendar and conduct of continuous internal Assessment

### CONSOLIDATED REPORT

S.NO	CONTENT
1.	Curriculum delivery
2.	Time tables
3.	Academic Planner program wise
4.	Academic Reports program wise
5.	Attendance registers
6.	Laboratory records
7.	Requisition letters to industry for training
8.	NOC for internship students
9.	Pharm. D clinical posting schedules
10.	College academic Committee MOM





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## 1.1 Curricular Planning and Implementation

### 1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

#### Response:

The Institution is affiliated to JNTUA, Anantapuramu, Andhra Pradesh, the institution follows the academic regulations, programme structure and syllabus as prescribed by the University. Annual calendar and certification are done as per University norms, while the programme content and evaluation procedure are authorized by the regulatory body - PCI, Pharmacy Council of India. The Institution offers programmes in B. Pharm, PharmD and M. Pharm in four different specialisations such as Pharmaceutics, Industrial Pharmacy, Pharmaceutical Analysis and Pharmacology. To facilitate more efficiency in services in all programs, the Institution runs under the departments enlisted: Pharmacology, Pharmaceutics, Pharmaceutical Analysis, Industrial Pharmacy, Pharmaceutical Chemistry, Pharmacognosy, Pharmacy Practice and Science & Humanities. Curriculum is divided Semester wise for B. Pharmacy and M. Pharmacy program whereas PharmD is under annual system. For the effective implementation, the following steps are adopted by the Institution:

#### Pre-Planning:

1. Class wise time tables were prepared by the institution as per the academic calendar released by JNTUA, Anantapuramu, allocating the required number of classes to the faculty course-wise.
2. Lesson plans, teaching plans, number of teaching periods were prepared course-wise.
3. List of reference books were prepared at the beginning of each academic year.
4. Syllabus copies and Question banks of Semester End and Annual Examinations were maintained in the College Library.
5. Institutional Committees were formed to monitor various activities of the Institution.





# SANTHIRAM COLLEGE OF PHARMACY

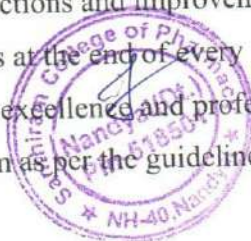
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## Implementation:

1. Programme wise Academic Calendars and class time tables are displayed in every classroom.
2. Effective delivery of the content is ensured through various teaching tools and modes of instruction, ICT enhanced teaching is encouraged.
3. Implementation of curriculum as per the academic schedule is recorded in the teaching notes and attendance registers, which are submitted to the Principal on a regular basis.
4. Mentor-mentee list is framed.
5. Student performance is evaluated regularly and continuously through class tests, assignments and mid-examinations.
6. Practical sessions focus on hands-on experience.
7. Lab records and performance are continuously assessed.
8. Syllabus completion is done on time, with sufficient time for revision.
9. Assessment and evaluation are done based on attainment between CO & PO.
10. In addition to the curriculum given by the affiliating University, the institution also conducts Certificate / Add-on programs to fill the gap between industry and academia.
11. Eminent academicians and industry associated experts are invited for Guest lectures/ Seminars/ Workshops/ Conferences.
12. Research culture is encouraged and Innovation Cell is initiated to promote the organization of research activities in the organisation.

## Regular Review and Action:

1. Academic Planning and Implementation Committee conducts class-wise meetings with mentors and subject teachers, the Minutes are documented.
  2. A review of student attendance and performance is conducted by the Principal.
  3. In case of any deviation, remedial actions and improvement strategies are formulated.
  4. Feedback from faculty and students at the end of every Semester is analyzed for further improvement.
- Institution aims to achieve academic excellence and professional competency by the effective planning and implementation of the curriculum as per the guidelines of AICTE, PCI and JNTUA.



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# **1.1.1 Curriculum Delivery**





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## SANTHIRAM COLLEGE OF PHARMACY

### CURRICULUM DELIVERY

JNTUA UNIVERSITY ANANTAPURAMU

ACADEMIC CALENDARS & SYLLABUS/CURRICULUM

IMPLEMENTATION OF CURRICULUM THROUGH  
ACADEMIC PLANNING COMMITTEE

B.PHARMACY    M.PHARMACY    M.PHARMACY    M.PHARMACY    M.PHARMACY    PHARM.D  
Pharmaceutics    Industrial    Pharmaceutical    Pharmacology

### CURRICULUM DELIVERY

- LESSON PLANS / CO-PO MAPPING
- IDENTIFICATION OF SLOW LEARNERS AND ADVANCED LEARNERS
- TUTORIAL AND REMEDIAL CLASSES FOR SLOW LEARNERS
- COACHING CLASSES FOR HIGHER EDUCATION
- STUDENT FEEDBACK AND NECESSARY ACTION
- CERTIFICATION PROGRAMS, VALUE ADDED PROGRAMS, GUEST LECTURES, SEMINARS, WORKSHOPS, CONFERENCES AND OTHER ACADEMIC PROGRAMS



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## **1.1.1 Time Tables**



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## SANTHIRAM COLLEGE OF PHARMACY, NANDYAL TIME TABLE FOR B.PHARM-AY:: 2022-23

Dt: 25.07.2022

COURSE: B.Pharm					YEAR: I		SEM: I		Sec-A											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	HAPI	CAP	P.ANLI	HAPI	Lunch (12.40-1.40)					A-HAP-I[L-9] & B-P.ANLI[L-11]					HAPI	VS	VS			
Tue	P.ANLI	ES	P.CEUI	P.ANLI						A-P.ANLI[L-11] & B-P.CEUI[L-2]					P.ANLI	SM	SM			
Wed	CAP	P.CEUI	PIC	P.CEUI						A-P.CEUI[L-2] & B-HAP-I[L-9]					P.CEUI	SGB	SGB			
Thu	ES	HAP-I	PIC	PIC						CAP					LIB/PET		PIC	MM	MM	
Fri	ES	P.CEUI	P.ANLI	CAP						HAP-I					PIC	ES	C.S	SBB		
Sat	HAPI	L.I.B	PIC	ES						P.ANLI					P.CEUI	CAP	MATHS	MR		
Sat																				
COURSE: B.Pharm					YEAR: I		SEM: I		Sec-B											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	P.CEUI	HAP-I	PIC	ES	Lunch (12.40-1.40)					ES					CAP	P.ANLI	HAPI	SP	SP	
Tue	P.ANLI	ES	P.CEUI	CAP						HAP-I					PIC	CAP	P.ANLI	RNR	RNR	
Wed	CAP	HAP-I	L.I.B	PIC						P.CEUI					LIB/PET		P.CEUI	GC	GC	
Thu	ES	P.ANLI	CAP	P.CEUI						A-HAP-I[L-9] & B-P.ANLI[L-11]					PIC	NYS	NYS			
Fri	P.CEUI	HAP-I	PIC	P.ANLI						A-P.ANLI[L-11] & B-P.CEUI[L-2]					C.S	SBB				
Sat	ES	P.ANLI	PIC	HAP-I						A-P.CEUI[L-2] & B-HAP-I[L-9]					MATHS	MR				
Sat																				
COURSE: B.Pharm					YEAR: II		SEM: I		Sec-A											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	POCII	PP1	P.ENG	P.MICRO	Lunch Break					A-PP-I[L-4] & B-P.Micro[L-1]					P.ENG	SJK	SJK			
Tue	A-P.ENG[L-6] & B-POC-II[L-11]									PP1					P.MICRO	P.ENG	PP1	KFK	KFK	
Wed	P.ENG	P.MICRO	POCII	PP1						A-P.Micro[L-1] & B-PP-I[L-4]					POCII	NYS	NYS			
Thu	A-POC-II[L-11] & B-P.ENG[L-4]									P.MICRO					L.I.B	PP1	P.MICRO	BSD	BSD	
Fri	PP1	L.I.B	POCII	P.ENG						P.ENG					L.I.B	POCII	UHV*	MH	-	
Sat	POCII		UHV	POCII						PP1					P.MICRO	PET				
Sat																				
COURSE: B.Pharm					YEAR: II		SEM: I		Sec-B											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	A-P.ENG[L-5] & B-POC-II[L-11]				Lunch Break					A-PP-I[L-4] & B-P.ENG[L-5]					P.ENG	RRO	RRO			
Tue	UHV		L.I.B	POCII						PP1					P.ENG	UHV	POCII	POCII	BM	BM
Wed	POCII	P.MICRO	L.I.B	PP1						UHV					L.I.B	P.ENG	P.MICRO	NSR	NSR	
Thu	POCII	PP1	L.I.B	P.ENG						POCII					PP1	PET	UHV*	KM	-	
Fri	A-P.Micro[L-1] & B-PP-I[L-4]									P.ENG					L.I.B	POCII				
Sat	P.MICRO	PP1	P.MICRO	POCII						A-POC-II[L-11] & B-P.Micro[L-1]										
Sat																				
COURSE: B.Pharm					YEAR: III		SEM: I		Sec-A											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	A-P.Col-II[L-3] & B-P.Col-II[L-3]				Lunch Break					Ph.Jurib					MC-II	IP	MC-II	SV	-	
Tue	A-P.Col-II[L-3] & B-IP[L-5]									MC-II					P.Col-II	P.Col-II	IP	DV	DV	
Wed	A-IP[L-5] & B-P.Col-II[L-3]									MC-II					P.Col-II	P.Col-II	P.Col-II	SP	SP	
Thu	P.Col-II	IP	P.Col-II							Ph.Jurib					L.I.B	MC-II	P.Col-II	NSR	NSR	
Fri	Ph.Jurib	IP	L.I.B							P.Col-II					P.Col-II	Ph.Jurib	Ph.Jurib	SSP	-	
Sat	P.Col-II	Ph.Jurib	IP							MC-II					IP	PET				
Sat																				
COURSE: B.Pharm					YEAR: III		SEM: II		Sec-B											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	IP	P.Col-II	L.I.B		Lunch Break					IP					L.I.B	MC-II	MC-II	BM	-	
Tue	P.Col-II	MC-II	P.Col-II							P.Col-II					P.Col-II	PET	IP	UK	UK	
Wed	Ph.Jurib	P.Col-II	MC-II							MC-II					IP	Ph.Jurib	P.Col-II	VS	VS	
Thu	A-P.Col-II[L-3] & B-P.Col-II[L-3]									MC-II					IP	P.Col-II	P.Col-II	SYS	SYS	
Fri	A-P.Col-II[L-3] & B-IP[L-5]									Ph.Jurib					P.Col-II	IP	Ph.Jurib	BSD	-	
Sat	A-IP[L-5] & B-P.Col-II[L-3]									P.Col-II					IP	P.Col-II				
Sat																				
COURSE: B.Pharm					YEAR: IV		SEM: I		Sec-A											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	A-IMA[L-4] & B-IP-II[L-6]				Lunch Break					NDDS					PET	NDDS	KB	-		
Tue	A-IP-II[L-6] & B-IMA[L-4]									IP-II					LIB	PP	IMA	RNR	RNR	
Wed	NDDS	IMA	PP							PROJECT							IP-II	TB	TB	
Thu	IP-II	LIB	IMA							CI					LIB	CI	PP	SSP	-	
Fri	PP	NDDS	IP-II							PP					IMA	IP-II	CI	RJ	-	
Sat	IMA	CI	NDDS							PROJECT										
Sat																				
COURSE: B.Pharm					YEAR: IV		SEM: I		Sec-B											
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30						1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab					
Mon	PP	NDDS	IP-II		Lunch Break					PP					IMA	IP-II	NDDS	KPK	-	
Tue	IMA	CI	NDDS							PROJECT							IMA	SV	SV	
Wed	NDDS	IMA	PP							IP-II					LIB	PET	IP-II	SGB	SGB	
Thu	IP-II	LIB	IMA							IP-II					LIB	PP	PP	GT	-	
Fri	A-IMA[L-4] & B-IP-II[L-6]									PROJECT							CI	RJ	-	
Sat	A-IP-II[L-6] & B-IMA[L-4]									LIB					CI					
Sat																				

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# SANTHIRAM COLLEGE OF PHARMACY

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 NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

## SANTHIRAM COLLEGE OF PHARMACY, NANDYAL TIME TABLE FOR B.PHARM-AY:: 2022-23

COURSE: B.Pharm					YEAR: I	SEM: I	Dt: 25.07.2022			
					Sec-A					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	HAPI	CAP	P.ANLI	HAPI	A-HAP-I[L-9]&B-P.ANLI[L-11]			HAPI	VS	VS
Tue	P.ANLI	ES	P.CEUI	P.ANLI	A-P.ANLI[L-11]&B-P.CEUI[L-2]			P.ANLI	SM	SM
Wed	CAP	P.CEUI	PIC	P.CEUI	A-P.CEUI[L-2]&B-HAP-I[L-9]			P.CEUI	SGE	SGE
Thu	ES	HAP-I	PIC	PIC	CAP			LIB/PET		
Fri	ES	P.CEUI	P.ANLI	CAP	HAPI	PIC	ES	PIC	MM	MM
Sat	HAPI	L.I.B	PIC	ES	P.ANLI	P.CEUI	CAP	MATHS	SBB	MR
					Sec-B					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	P.CEUI	HAP-I	PIC	ES	A-HAP-I[L-9]&B-P.ANLI[L-11]			HAPI	SP	SP
Tue	P.ANLI	ES	P.CEUI	CAP	A-P.ANLI[L-11]&B-P.CEUI[L-2]			P.ANLI	RNR	RNR
Wed	CAP	HAP-I	L.I.B	PIC	A-P.CEUI[L-2]&B-HAP-I[L-9]			P.CEUI	GO	GO
Thu	ES	P.ANLI	CAP	P.CEUI	CAP			LIB/PET		
Fri	P.CEUI	HAP-I	PIC	P.ANLI	HAPI	PIC	CAP	PIC	NYS	NYS
Sat	ES	P.ANLI	PIC	HAP-I	A-P.CEUI[L-2]&B-HAP-I[L-9]			MATHS	SBB	MR
					Sec-A					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	POCII	PPI	P.ENG	P.MICRO	A-PP-I[L-4]&B-P.Micro[L-1]			P.ENG	SJK	SJK
Tue	A-P.ENG[L-5]&B-POC-II[L-11]				PPI	P.MICRO	P.ENG	PPI	KPK	KPK
Wed	P.ENG	P.MICRO	POCII	PPI	A-P.Micro[L-1]&B-PP-I[L-4]			POCII	NYS	NYS
Thu	A-POC-II[L-11]&B-P.ENG[L-4]				P.MICRO	L.I.B	PPI	P.MICRO	BSD	BSD
Fri	PPI	L.I.B	POCII	P.ENG	P.ENG	L.I.B	POCII	UHV*	MM	-
Sat	POCII	UHV	POCII	POCII	PPI	P.MICRO	PET			
					Sec-B					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	A-P.ENG[L-5]&B-POC-II[L-11]				PPI	P.MICRO	PP-I	P.ENG	RDR	RDR
Tue	UHV	L.I.B	P.MICRO	POCII	A-PP-I[L-4]&B-P.ENG[L-5]			PPI	KB	KB
Wed	POCII	P.MICRO	L.I.B	PPI	P.ENG	UHV	POCII	POCII	BM	BM
Thu	POCII	PPI	L.I.B	P.ENG	UHV	L.I.B	P.ENG	P.MICRO	NSR	NSR
Fri	A-P.Micro[L-1]&B-PP-I[L-4]				POCII	PPI	PET	UHV*	KM	-
Sat	P.MICRO	PPI	P.MICRO	POCII	A-POC-II[L-11]&B-P.Micro[L-1]					
					Sec-A					
Day	9.00-9.50	9.50-10.40	10.50-11.40		1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	A-P.Col-II[L-8]&B-P.Ceq-II[L-3]				Ph.Jur	MC-II	IP	MC-II	SV	-
Tue	A-P.Ceq-II[L-3]&B-IP[L-5]				MC-II	P.Ceq-II	P.Col-II	IP	DV	DV
Wed	A-IP[L-5]&B-P.Col-II[L-8]				MC-II	P.Col-II	P.Ceq-II	P.Col-II	SP	SP
Thu	P.Ceq-II	IP	P.Col-II		Ph.Jur	L.I.B	MC-II	P.Ceq-II	NSR	NSR
Fri	Ph.Jur	IP	L.I.B		P.Col-II	P.Ceq-II	Ph.Jur	Ph.Jur	SSP	-
Sat	P.Col-II	Ph.Jur	IP		MC-II	IP	PET			
					Sec-B					
Day	9.00-9.50	9.50-10.40	10.50-11.40		1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	IP	P.Ceq-II	L.I.B		IP	L.I.B	MC-II	MC-II	BM	-
Tue	P.Col-II	MC-II	P.Ceq-II		P.Col-II	P.Ceq-II	PET	IP	UK	UK
Wed	Ph.Jur	P.Col-II	MC-II		MC-II	IP	Ph.Jur	P.Col-II	VS	VS
Thu	A-P.Col-II[L-8]&B-P.Ceq-II[L-3]				MC-II	IP	P.Ceq-II	P.Ceq-II	SVS	SVS
Fri	A-P.Ceq-II[L-3]&B-IP[L-5]				Ph.Jur	P.Col-II	IP	Ph.Jur	BSD	-
Sat	A-IP[L-5]&B-P.Col-II[L-8]				P.Ceq-II	IP	P.Col-II			
					Sec-A					
Day	9.00-9.50	9.50-10.40	10.50-11.40		1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	A-IMA[L-4]&B-IP-II[L-6]				NDDS	PET		NDDS	KB	-
Tue	A-IP-II[L-6]&B-IMA[L-4]				IP-II	LIB	PP	IMA	RNR	RNR
Wed	NDDS	IMA	PP		PROJECT			IP-II	TB	TB
Thu	IP-II	LIB	IMA		CI	LIB	CI	PP	SSP	-
Fri	PP	NDDS	IP-II		PP	IMA	IP-II	CI	RJ	-
Sat	IMA	CI	NDDS		PROJECT					
					Sec-B					
Day	9.00-9.50	9.50-10.40	10.50-11.40		1.30-2.20	2.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	PP	NDDS	IP-II		PP	IMA	IP-II	NDDS	KPK	-
Tue	IMA	CI	NDDS		PROJECT			IMA	SV	SV
Wed	NDDS	IMA	PP		NDDS	PET		IP-II	SGE	SGE
Thu	IP-II	LIB	IMA		IP-II	LIB	PP	PP	GT	-
Fri	A-IMA[L-4]&B-IP-II[L-6]				PROJECT			CI	RJ	-
Sat	A-IP-II[L-6]&B-IMA[L-4]				CI	LIB	CI			

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## SANTHIRAM COLLEGE OF PHARMACY, NANDYAL PHARMD CLASS TIME TABLE AY: 2022-23

Dt: 25.07.2022

COURSE: Pharm.D					YEAR: I (AY: 2020-21)				C.I: Mr. N. Madana Gopal					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30 (Assesment)	LUNCH BREAK	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00 (Revision)	Subject	Theory	Lab		
Mon	PIOC	POC	PIOC	Maths			P. Ceu [L-4]			P.Ceu	HAP	KBD	KBD	
Tue	PIOC [L-11]			PIOC			POC [L-11]			POC	P.Ceu	REU	REU	
Wed	B. Chem [L-11]			B.Chem			P.Ceu	HAP	PIOC	Maths	B.Chem	VC	VC	
Thu	Maths	B.Chem	Maths	POC			PIOC	P.Ceu	POC	HAP	POC	SR	SR	
Fri	B.Chem	HAP	L.I.B	P.Ceu			B.Chem	P.Ceu	TFICCA		PIOC	SS	SS	
Sat	HAP [L-9]			HAP			Maths	POC	HAP	B.Chem	Maths	MRJ	-	
COURSE: Pharm.D					YEAR: II				C.I: Mrs. S. Sumiga					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30 (Assesment)	LUNCH BREAK	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00 (Revision)	Subject	Theory	Lab		
Mon	P. Ther-I Lab [Hospital]						P.CoH	C.P	P.Micro	Patho	Patho	SS	-	
Tue	P. Ther-I Lab [Hospital]						Patho	P.CoH	L.I.B	P. Cog	P.Micro	AS	AS	
Wed	P. Micro [L-1]			P.CoH			P.Micro	Patho	P. Cog	P. Ther-I	P. Cog	GMB	GMB	
Thu	P. Cog	L.I.B	Patho	P. Ther-I			P. Cog [L-3]			Patho	P.CoH	MS	-	
Fri	C.P	P. Cog	C.P	P.Micro			C.P	P.CoH	TFICCA-MS		C.P	CBR	-	
Sat	P. Ther-I	P.Micro	P. Ther-I	P. Cog			P.CoH	L.I.B	P. Ther-I	P.Micro	P. Ther-I	ASKR	ASKR	
COURSE: Pharm.D					YEAR: III				C.I: Dr. B. Pradeep					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30 (Assesment)	LUNCH BREAK	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00 (Revision)	Subject	Theory	Lab		
Mon	P.Juris	P.Anal	P. Ther-II	P.Juris			P. Anal [L-10]			P.Anal	P.Col-II	MS	MS	
Tue	M.C	P.Anal	P.Juris	P.CoH			P. Col-II [L-8]			P.Juris	P.Anal	GMB	GMB	
Wed	P. Ther-II Lab [Hospital]-BP						P.Anal	M.C	P.Form	P.CoH	P. Ther-II	BP	BP	
Thu	P. Ther-II Lab [Hospital]-BP						M.C	P.CoH	P. Ther-II	P.Form	P. Juris	CBR	-	
Fri	MC [L-12]			M.C			P. Ther-II	P.CoH	TFICCA		M.C	SR	SR	
Sat	P. Form [L-6]			P. Form			P. Ther-II	P.Anal	P. Form	M.C	P. Form	REU	REU	
COURSE: Pharm.D					YEAR: IV				C.I: Mr. K. Bharath					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30 (Assesment)	LUNCH BREAK	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00 (Revision)	Subject	Theory	Lab		
Mon	B.Stats	C.P	L.I.B	BPPK			HP	L.I.B	C.Toxi	C.P	P. Ther-III	ASKR	ASKR	
Tue	C.P	B.Stats	C.Toxi	BPPK			B.Stats	C.P	H.P	B.Stats	H.P	KBD	KBD	
Wed	P. Ther-III	BPPK	C.Toxi	P. Ther-III			BPPK [L-6]			BPPK	C.P	VC	VC	
Thu	H.P	P. Ther-III	C.Toxi	BPPK			B.Stats	H.P	L.I.B	P. Ther-III	B.Stats	BP	-	
Fri	P. Ther-III Lab [Hospital]-SS						P. Ther-III	C.P	TFICCA		BPPK	KB	KB	
Sat	C.P Lab [Hospital]-SS & CBR						H.P [L-6]			H.P	C.Toxi	CBR	-	
COURSE: Pharm.D					YEAR: V				C.I: Dr. A. Sai Keshava Reddy					
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	LUNCH BREAK	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab		
Mon	Project work						CP&TDM	L.I.B	C.R	CP&TDM	C.R	SS	-	
Tue	Clerkship						Project work				P.Ed&P.E	KB	-	
Wed	Clerkship						C.R	P.Ed&P.E	L.I.B	CP&TDM	CP&TDM	AS	-	
Thu	Project work						Project work							
Fri	Project work						Project work							
Sat	Clerkship						TFICCA		JC/Presentation		P.Ed&P.E			



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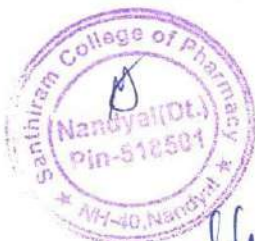


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 NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

## SANTIRAM COLLEGE OF PHARMACY, NANDYAL M. PHARM CLASS TIME TABLE AY: 2022-23

Course: M. Pharm				Branch: Ph. Analysis				Sem: I				C.I: Dr. L. Siva Sankar		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	MPAT	Seminar/Assignment	GCQA	MPAT	APA	PFA	P.E.T	MPAT	LSSR	LSSR				
Tue	APA	Seminar/Assignment	MPAT		PFA	ERPW	GCQA	APA	MM	-				
Wed	PFA- LAB 10				PFA- LAB 10				PFA	DCB	DCB			
Thu	PFA	Seminar/Assignment	APA		MPAT	GCQA	JC	GCQA	SSP	-				
Fri	MPAT- LAB 10				MPAT- LAB 10				ERPW	KPK	-			
Sat	QCQA	APA	L.I.B	MPAT	APA	Seminar/Assignment	PFA							
Course: M. Pharm				Branch: Pharmaceutics				Sem: I				C.I: Dr. Y. Dastagiri Reddy		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	MPAT	Seminar/Assignment	ABPPK	MPAT	APP	Seminar/Assignment	MP-I	MPAT	LSSR	LSSR				
Tue	ABPPK	Seminar/Assignment	MPAT		MP-I	ERPW	APP	APP	KPK	-				
Wed	MP-I- LAB 06				MP-I- LAB 06				MP-I	YDR	YDR			
Thu	APP	Seminar/Assignment	MP-I		MPAT	ABPPK	P.E.T	ABPPK	SSP	-				
Fri	MPAT- LAB 10				MPAT- LAB 10				ERPW	KBD	-			
Sat	APP	L.I.B	MP-I	MPAT	ABPPK	JC	MP-I							
Course: M. Pharm				Branch: Industrial Pharmacy				Sem: I				C.I: Dr. K. Ravi Kumar		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	MPAT	Seminar/Assignment	ABPPK	MPAT	APP	Seminar/Assignment	PFD	MPAT	LSSR	LSSR				
Tue	ABPPK	Seminar/Assignment	MPAT		PFD	ERPW	APP	APP	DMR	KRK				
Wed	MPAT- LAB 10				MPAT- LAB 10				PFD	KRK	-			
Thu	APP	Seminar/Assignment	PFD		MPAT	ABPPK	P.E.T	ABPPK	CMC	-				
Fri	APP- LAB 07				APP- LAB 07				ERPW	BVR	-			
Sat	APP	L.I.B	PFD	MPAT	ABPPK	JC	PFD							
Course: M. Pharm				Branch: Pharmacology				Sem: I				C.I: Dr. P. Praveen Kumar		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	MPAT	JC	AP-I	MPAT	CPP	Seminar/Assignment	CMP	MPAT	LSSR	LSSR				
Tue	CPP	Seminar/Assignment	MPAT		CMP	ERPW	CMP	AP-I	PPK	PPK				
Wed	MPAT- LAB 10				MPAT- LAB 10				CPP	BVR	-			
Thu	CPP	Seminar/Assignment	AP-I		MPAT	Seminar/Assignment	CMP	CMP	KBD	-				
Fri	AP-I- LAB 08				AP-I- LAB 08				ERPW	MM	-			
Sat	CMP	L.I.B	AP-I	MPAT	CPP	AP-I	P.E.T							
Course: M. Pharm				Branch: Ph. Analysis				Sem: III				C.I: Dr. L. Siva Sankar Reddy		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	B.Stats	L.I.B	Teaching Assignment											
Tue	B.Stats	L.I.B	Teaching Assignment						B.Stats	DMR	-			
Wed	Journal Club	Teaching Assignment												
Thu	Journal Club	Teaching Assignment												
Fri	B.Stats	L.I.B	Teaching Assignment											
Sat	B.Stats	Discussion / Presentation												
Course: M. Pharm				Branch: Pharmaceutics				Sem: III				C.I: Dr. Y. Dastagiri Reddy		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	B.Stats	L.I.B	Teaching Assignment											
Tue	B.Stats	L.I.B	Teaching Assignment						B.Stats	DMR	-			
Wed	Journal Club	Teaching Assignment												
Thu	Journal Club	Teaching Assignment												
Fri	B.Stats	L.I.B	Teaching Assignment											
Sat	B.Stats	Discussion / Presentation												
Course: M. Pharm				Branch: Industrial Pharmacy				Sem: III				C.I: Mr. K. Ravi Kumar		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	1.30-2.20	2.20-3.10	3.20-4.10	4.10-5.00	Subject	Theory	Lab			
Mon	B.Stats	L.I.B	Teaching Assignment											
Tue	B.Stats	L.I.B	Teaching Assignment						B.Stats	DMR	-			
Wed	Journal Club	Teaching Assignment												
Thu	Journal Club	Teaching Assignment												
Fri	B.Stats	L.I.B	Teaching Assignment											
Sat	B.Stats	Discussion / Presentation												



Prepared by *[Signature]*

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SANTHIRAM COLLEGE OF PHARMACY, NANDYAL											
M.PHARM II SEM CLASS TIME TABLE AY: 2022-23											
Dt: 25.07.2022											
<b>Course: M. Pharm</b>				<b>Branch: Ph. Analysis</b>			<b>Sem: II</b>		<b>C.I: Dr. L. Siva Sankar Reddy</b>		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	LUNCH BREAK	1.30-02.20	20.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	AIA	Seminar/Assignment		HCA		PV	JC		AIA	LSSR	LSSR
Tue	MBAT	Seminar/Assignment		AIA		PV	MBAT	HCA	MBAT	BMI	BMI
Wed	MBAT-LAB 10					MBAT-LAB 10			PV	NMG	-
Thu	AIA	Seminar/Assignment		HCA		PV	P.E.T		HCA	DMR	-
Fri	AIA-LAB 10					AIA-LAB 10			PS	YDR	-
Sat	HCA	MBAT	PS			AIA	MBAT	PV			
<b>Course: M. Pharm</b>				<b>Branch: Pharmaceutics</b>			<b>Sem: II</b>		<b>C.I:</b>		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	LUNCH BREAK	1.30-02.20	20.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	ADDS	Seminar/Assignment		NDDS		ADDS	IP	MP-II	MP-II	AVB	AVB
Tue	MP-II-LAB 06					MP-II-LAB 06			ADDS	YDR	YDR
Wed	ADDS-LAB 07					ADDS-LAB 07			IP	DMR	-
Thu	NDDS	Seminar/Assignment		ADDS		NDDS	P.E.T		NDDS	KSK	-
Fri	MP-II	Seminar/Assignment		IP		MP-II	JC		PS	KRK	-
Sat	IP	ADDS	PS			NDDS	IP	MP-II			
<b>Course: M. Pharm</b>				<b>Branch: Industrial Pharmacy</b>			<b>Sem: II</b>		<b>C.I: Dr. K. Ravi Kumar</b>		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	LUNCH BREAK	1.30-02.20	20.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	ADDS	Seminar/Assignment		NDDS		ADDS	JC	PIM	PPT	KRK	KRK
Tue	PIM	Seminar/Assignment		PPT		PIM	JC	PPT	ADDS	CMC	CMC
Wed	ADDS-LAB 07					ADDS-LAB 07			PIM	DMR	-
Thu	NDDS	Seminar/Assignment		ADDS		NDDS	P.E.T		NDDS	KSK	-
Fri	PPT-LAB 07					PPT-LAB 07			PS	BVR	-
Sat	PPT	ADDS	PS			NDDS	PPT	PIM			
<b>Course: M. Pharm</b>				<b>Branch: Pharmacology</b>			<b>Sem: II</b>		<b>C.I: Dr. P. Praveen Kumar</b>		
Day	9.00-9.50	9.50-10.40	10.50-11.40	11.40-12.30	LUNCH BREAK	1.30-02.20	20.20-3.10	3.20-4.10	Subject	Theory	Lab
Mon	AP-II	Semr./Assin		CRPV		PSMT	JC	PDD	AP-II	PPK	PPK
Tue	PSMT	Semr./Assin		AP-II		PDD	JC	CRPV	PSMT	BVR	PPK
Wed	PCMT-LAB 10					PCMT-LAB 10			PDD	RNK	-
Thu	PSMT	Semr./Assin		CRPV		AP-II	P.E.T		CRPV	RNK	-
Fri	AP-II-LAB 08					AP-II-LAB 08			PS	NMG	-
Sat	PDD	PSMT	PS			CRPV	PDD	AP-II			



Prepared by

Co-Ordinator

Principal

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NH-18, Nandyal-518501, A.P.

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NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

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### **1.1.1**

# **Academic Planner**






# Santhiram College of Pharmacy

Nerawada, NH-40, Nandyal-518 501, Andhra Pradesh, India.

## Lesson Plan-Theory

S.No	Date	No of Hrs	Topic	Reference
	Sec B			
<b>UNIT-I</b>				
1	8-3-2022	1	General introduction	R1
2	9-3-2022	1	Historical background and development of pharmacy	R1
3	9-3-2022	1	Pharmacy education	R1
4	9-3-2022	1	Introduction to pharmacopeias	R1
5	15-3-2022	1	Introduction to dosage forms	R1
6	16-3-2022	1	Classification of dosage forms	R1
7	16-3-2022	1	Definitions of dosage forms	R1
8	16-3-2022	1	Prescription, part of prescription	R1
9	19-3-2022	1	Slip test on dosage forms	R1
10	19-3-2022	1	Handling of prescription	R1
11	22-3-2022	1	Errors in prescription	R1
12	23-3-2022	1	Introduction to posology	R1
13	23-3-2022	1	Factors effecting posology	R1
14	23-3-2022	1	Factors effecting posology	R1
15	26-3-2022	1	Pharmaceutical calculations on age	R1
16	26-3-2022	1	Pharmaceutical calculations on body weight	R1
17	29-3-2022	2	Pharmaceutical calculations on surface area	R1



  
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## Unit-II

18	30-3-2022	2	Weights and measures	R1
19	30-3-2022	2	Alligation method	R1
20	30-3-2022	2	Proof spirit and isotonic solution	R1
21	6-4-2022	2	Slip test	R1
22	6-4-2022	2	Calculations on freezing and melting point	R1
23	6-4-2022	2	Powders, advantages and disadvantages	R1
24	9-4-2022	2	Classification of powders	R1
25	9-4-2022	2	Simple & compound powders –	R1
26	12-4-2022	2	Eutectic mixtures. Geometric dilutions.	R1
27	13-4-2022	2	Liquid dosage forms.	R1
28	13-4-2022	2	Advantages and disadvantages of liquid dosage forms	R1
29	13-4-2022	2	Excipients used in formulation of liquid dosage forms.	R1
30	16-4-2022	2	Excipients used in formulation of liquid dosage forms.	R1
31	16-4-2022	2	Solubility enhancement techniques	R1
32	19-4-2022	2	Solubility enhancement techniques	R1
33	20-4-2022	2	Slip test	R1

## Unit III

34	20-4-2022	3	Monophasic liquids	R1
35	20-4-2022	3	Definitions and preparations of Gargles, Mouthwashes,	R1
36	4-5-2022	3	Throat Paint, Eardrops, Nasal drops, Enemas	R1
37	4-5-2022	3	Syrups, Elixirs, Liniments and Lotions.	R1
38	4-5-2022	3	Biphasic liquids:	R1
39	7-5-2022	3	Suspensions: Definition, advantages and disadvantages,	R1




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40	7-5-2022	3	Classification	R1
41	7-5-2022	3	Flocculated and Deflocculated suspension	R1
42	10-5-2022	3	Stability problems and methods to overcome.	R1
43	11-5-2022	3	Emulsions	R1
44	11-5-2022	3	Classification	R1
45	11-5-2022	3	Identification of type of emulsion	R1
46	13-5-2022	3	Classification of emulsions	R1
47	14-3-2022	3	Classification of emulsions	R1
48	17-5-2022	3	Classification of emulsions	R1
49	18-5-2022	3	Classification of emulsions	R1
50	18-5-2022	3	Methods of preparation of emulsions	R1
51	18-5-2022	3	Methods of preparation of emulsions	R1
52	21-5-2022	3	Stability of emulsions	R1
53	21-5-2022	3	Stability of emulsions	R1
54	24-5-2022	3	Slip test	R1

Unit-IV

55	24-5-2022	4	Suppositories	R1
56	25-5-2022	4	Definition, types, advantages and disadvantages	R1
57	25-5-2022	4	Displacement value & its calculations	R1
58	28-5-2022	4	Preparation of suspensions	R1
59	28-5-2022	4	Evaluation of suspension	R1
60	31-5-2022	4	Pharmaceutical incompatibilities	R1
61	31-5-2022	4	Pharmaceutical incompatibilities	R1
62	1-6-2022	4	Physical incompatibilities	R1



  
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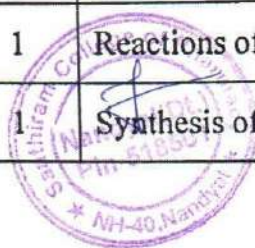
## Lesson Plan-Theory

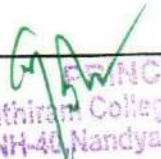
S.No	Date		No of Hrs	Topic	Reference
	Sec A	Sec B			
<b>UNIT-I</b>					
1	14/12/21	13/12/21	1	Analytical, synthetic and other evidences in the derivation of structure of benzene	R1
2	15/12/21	15/12/21	1	Analytical, synthetic and other evidences in the derivation of structure of benzene	R3
3	17/12/21	16/12/21	1	Orbital picture, resonance in benzene	R3
4	20/12/21	18/12/21	1	Aromatic characters, Huckel's rule	R2
5	22/12/21	20/12/21	1	Reactions of benzene - nitration, sulphonation, halogenations.	R1
6	28/12/21	22/12/21	1	Friedelcrafts alkylation- reactivity, limitations, Friedelcrafts acylation.	R3
7	29/12/21	23/12/21	1	Substituents, effect of substituents on reactivity and orientation of mono substituted benzene compounds towards electrophilic substitution reaction	R3
8	31/12/21	27/12/21	1	Substituents, effect of substituents on reactivity and orientation of mono substituted benzene compounds towards electrophilic substitution reaction	R3
9	04/01/22	29/12/21	1	Substituents, effect of substituents on reactivity and orientation of mono substituted benzene compounds towards electrophilic substitution reaction	R3
10	05/01/22	30/12/21	1	Structure and uses of DDT, Saccharin, BHC and Chloramine	R4
<b>UNIT-II</b>					
11	08/01/22	31/12/21	1	General methods of preparation of Phenols	R4
12	11/01/22	05/01/22	1	Acidity of phenols, effect of substituents on acidity.	R1
13	12/01/22	06/01/22	1	General reactions of Phenols	R3




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14	18/01/22	07/01/22	1	Qualitative tests for phenols	R2
15	21/01/22	10/01/22	1	Structure and uses of phenol, cresols, resorcinol, naphthols	R4
16	22/01/22	17/01/22	1	General methods of preparation of Aromatic amines	R1
17	25/01/22	19/01/22	1	Chemical properties of aromatic amines	R2
18	28/01/22	20/01/22	1	Basicity of amines, effect of substituents on basicity	R1
19	29/01/22	22/01/22	1	Diazotization, synthetic applications of diazonium salts	R3
20	31/01/22	27/01/22	1	General methods of preparation of Aromatic acids	R3
21				Acidity, effect of substituents on acidity of aromatic acids	R3
22				Important reactions of benzoic acid	R3
<b>UNIT-III</b>					
23	01/02/22	28/01/22	1	Definition and general physical and chemical properties of Fats and Oils	R2
24	02/02/22	02/02/22	1	Fatty acids – reactions Hydrolysis, Hydrogenation, Saponification	R2
25	04/02/22	03/02/22	1	Fatty acids – reactions Rancidity of oils, Drying oils.	R2
26	05/02/22	04/02/22	1	Analytical constants - Acid value	R2
27	07/02/22	05/02/22	1	Analytical constants - Saponification value, Ester value	R2
28	08/02/22	07/02/22	1	Analytical constants - Iodine value, Acetyl value,	R2
29	11/02/22	07/02/22	1	Analytical constants - Reichert Meissl (RM) value	R2
30	12/02/22	09/02/22	1	Class test	R2
<b>UNIT-IV</b>					
31	23/02/22	12/02/22	1	Polynuclear hydrocarbons: Synthesis of Naphthalene	R3
32	24/02/22	21/02/22	1	Reactions of Naphthalene	R3
33	24/02/22	23/02/22	1	Synthesis of Phenanthrene	R3
34	25/02/22	24/02/22	1	Reactions of Phenanthrene	R3
35	26/02/22	25/02/22	1	Synthesis of Anthracene	R3



  
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36	28/02/22	26/02/22	1	Reactions of Anthracene	R3
37	02/03/22	28/02/22	1	Structure and medicinal uses of Naphthalene, Phenanthrene and their derivatives	R3
38	03/03/22	02/03/22	1	Structure and medicinal uses of Anthracene, Diphenylmethane, Triphenylmethane and their derivatives	R3
<b>UNIT-V</b>					
39	03/03/22	03/03/22	1	General methods of preparations of Cyclo alkanes	R1
40	07/03/22	04/03/22	1	Stability of cyclo alkanes - Baeyer's strain theory,	R1
41	08/03/22	05/03/22	1	Stability of cyclo alkanes - limitation of Baeyer's strain theory	R1
42	09/03/22	07/03/22	1	Coulson and Moffitt's modification	R1
43	10/03/22	07/03/22	1	Sachse Mohr's theory (Theory of strainless rings)	R1
44	10/03/22	09/03/22	1	reactions of cyclopropane	R3
45	11/03/22	10/03/22	1	reactions of cyclobutane	R3


  
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### Lesson Plan-Practical

S.No	Date		No of Hrs	Topic	Reference
	Sec A	Sec B			
1	13/12/20	14/12/21	3	Purification of Organic compounds by Recrystallization	R8
2	20/12/21	21/12/21	3	Purification of Organic compounds by Steam distillation	R8
3	27/12/21	28/12/21	3	Determination of Acid value of oil samples	R8
4	03/01/22	04/01/22	3	Determination of Saponification value of oil samples	R8
5	10/01/22	11/01/22	3	Determination of Iodine value of oil samples	R8
6	17/01/22	18/01/22	3	Preparation of Acetanilide from Aniline by acylation reaction.	R5
7	24/01/22	25/01/22	3	Preparation of Para bromo acetanilide from Aniline	R5
8	31/01/22	01/02/22	3	Preparation of Nitro benzene by nitration reaction	R6
9	07/02/22	08/02/22	3	Preparation of Benzoic acid from Benzyl chloride by oxidation reaction.	R5
10	28/02/22	22/02/22	3	Preparation of 1-Phenyl azo-2-naphthol from Aniline by diazotization and coupling reactions.	R6
11	07/03/22	08/03/22	3	Preparation of Benzil from Benzoin by oxidation reaction.	R6
12				Preparation of Cinnammic acid from Benzaldehyde by Perkin reaction	R5
13				Preparation of <i>P</i> -Iodo benzoic acid from <i>P</i> -amino benzoic acid	R5



  
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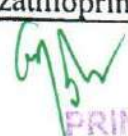
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## III B.Pharmacy I semester (2022-23) Sub: Medicinal Chemistry -III (BP501T) Lecture Plan

S.No	Date		No of Hrs	Topic	Reference
	Sec A	Sec B			
<b>UNIT-I</b>					
1	19/09/22	19/09/22	1	Antihistaminic agents: Histamine, receptors and their distribution in the humanbody.	R1 & R2
2	20/09/22	20/09/22	1	Introduction and Classification of H <sub>1</sub> -antagonists	R1 & R2
3	21/09/22	21/09/22	1	Mechanism of action, Synthesis and uses of Diphenhydramine hydrochloride*, Dimenhydrinate, Doxylamines succinate, Clemastine fumarate, Diphenylphyraline hydrochloride, Tripelenamine hydrochloride	R1 & R2
4	22/09/22	22/09/22	1	Mechanism of action and uses Chlorcyclizine hydrochloride, Meclizine hydrochloride, Buclizine hydrochloride, Chlorpheniramine maleate,	R1 & R2
5	23/09/22	23/09/22	1	Mechanism of action, Synthesis and uses of Triprolidine hydrochloride*, Phenidamine tartarate, Promethazine hydrochloride*,	R1 & R2
6	24/09/22	24/09/22	1	Mechanism of action and uses Trimeprazine tartrate, Cyproheptadine hydrochloride, Azatidine maleate, Astemizole, Loratadine, Cetirizine, Levocetrazine Cromolyn sodium	R1 & R2
7	26/09/22	26/09/22	1	H <sub>2</sub> -antagonists: Cimetidine*, Famotidine, Ranitidin	R1 & R2
8	27/09/22	27/09/22	1	Gastric Proton pump inhibitors: Omeprazole, Lansoprazole, Rabeprazole, Pantoprazole	R1 & R2
9	28/09/22	28/09/22	1	Alkylating agents: Meclroethamine*, Cyclophosphamide, Melphalan, Chlorambucil, Busulfan, Thiotepa	R1 & R2
10	29/09/22	29/09/22	1	Antimetabolites: Mercaptopurine*, Thioguanine, Fluorouracil, Floxuridine, Cytarabine, Methotrexate*, Azathioprine	R1 & R2

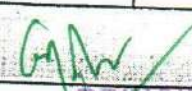


  
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11	07/10/22	07/10/22	1	<b>Antibiotics:</b> Dactinomycin, Daunorubicin, Doxorubicin, Bleomycin.	R1 & R2
12	08/10/22	08/10/22	1	<b>Plant products:</b> Etoposide, Vinblastin sulphate, Vincristin sulphate <b>Miscellaneous:</b> Cisplatin, Mitotane	R1 & R2
<b>UNIT-II</b>					
13	10/10/22	10/10/22	1	Definition and Classification of Anti-anginal agents	R1 & R2
14	13/10/22	13/10/22	1	<b>Vasodilators:</b> Amyl nitrite, Nitroglycerin*, Pentaerythritol tetranitrate, Isosorbide dinitrite*, Dipyridamole	R1 & R2
15	14/10/22	14/10/22	1	<b>Calcium channel blockers:</b> Verapamil, Bepridil hydrochloride, Diltiazem hydrochloride, Nifedipine, Amlodipine, Felodipine, Nicardipine, Nimodipine	R1 & R2
16	15/10/22	15/10/22	1	Definition and Classification of Diuretics	R1 & R2
17	18/10/22	18/10/22	1	Carbonic anhydrase inhibitors: Acetazolamide*, Methazolamide, Dichlorphenamide	R1 & R2
18	20/10/22	20/10/22	1	Thiazides: Chlorthiazide*, Hydrochlorothiazide, Hydroflumethiazide, Cyclothiazide,	R1 & R2
19	21/10/22	21/10/22	1	Loop diuretics: Furosemide*, Bumetanide, Ethacrynic acid.	R1 & R2
20	22/10/22	22/10/22	1	Potassium sparing Diuretics: Spironolactone, Triamterene, Amiloride. Osmotic Diuretics: Mannitol	R1 & R2
21	25/10/22	25/10/22	1	Definition and Classification of Anti-hypertensive Agents	R1 & R2
22	27/10/22	27/10/22	1	Mechanism of action, Synthesis and uses Timolol, Captopril, Lisinopril, Enalapril, Benazepril hydrochloride	R1 & R2
23	28/10/22	28/10/22	1	Mechanism of action, Synthesis and uses Quinapril hydrochloride, Methyldopate hydrochloride,* Clonidine hydrochloride	R1 & R2
24	29/10/22	29/10/22	1	Mechanism of action, Synthesis and uses Guanethidine monosulphate, Guanabenz acetate, Sodium nitroprusside	R1 & R2
25	31/10/22	31/10/22	1	Mechanism of action, Synthesis and uses Diazoxide, Minoxidil, Reserpine, Hydralazine hydrochloride.	R1 & R2
<b>UNIT-III</b>					



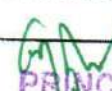
  
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26	01/11/22	01/11/22	1	Definition and Classification of <b>Anti-arrhythmic Drugs</b>	R1 & R2
27	03/11/22	03/11/22	1	Mechanism of action, Synthesis and uses Quinidine sulphate, Procainamide hydrochloride, Disopyramide phosphate*	R1 & R2
28	04/11/22	04/11/22	1	Mechanism of action, Synthesis and uses Phenytoin sodium, Lidocaine hydrochloride, Tocainide hydrochloride, Mexiletine hydrochloride	R1 & R2
29	07/11/22	07/11/22	1	Mechanism of action, Synthesis and uses Lorcainide hydrochloride, Amiodarone, Sotalol.	R1 & R2
30	08/11/22	08/11/22	1	Definition and Classification of <b>Anti-hyperlipidemic agents</b>	R1 & R2
31	10/11/22	10/11/22	1	Mechanism of action, Synthesis and uses Clofibrate, Lovastatin, Cholesteramine and Cholestipol	R1 & R2
32	11/11/22	11/11/22	1	Definition and Classification of <b>Coagulant &amp; Anticoagulants</b>	R1 & R2
33	21/11/22	21/11/22	1	Mechanism of action, Synthesis and uses of Menadione, Acetomenadione, Warfarin*, Anisindione, clopidogrel	R1 & R2
34	22/11/22	22/11/22	1	Definition and Classification of <b>Drugs used in Congestive Heart Failure</b>	R1 & R2
35	24/11/22	24/11/22	1	Mechanism of action, Synthesis and uses of Digoxin, Digitoxin, Nesiritide, Bosentan, Tezosentan.	R1 & R2

#### UNIT-IV

36	25/11/22	25/11/22		Definition and Classification of <b>Drugs acting on Endocrine system</b>	R1 & R2
37	29/11/22	29/11/22	1	Nomenclature, Stereochemistry and metabolism of steroids	R1 & R2
38	01/12/22	01/12/22	1	Mechanism of action and uses of <b>Sex hormones:</b> Testosterone, Nandralone, Progesterones, Oestriol, Oestradiol, Oestrone, Diethyl stilbestrol	R1 & R2
39	02/12/22	02/12/22	1	Mechanism of action and uses of <b>Drugs for erectile dysfunction:</b> Sildenafil, Tadalafil	R1 & R2
40	03/12/22	03/12/22	1	Mechanism of action and uses of <b>Oral contraceptives:</b> Mifepristone, Norgestrel, Levonorgestrol	R1 & R2
41	05/12/22	05/12/22	1	Mechanism of action and uses of <b>Corticosteroids:</b> Cortisone, Hydrocortisone, Prednisolone, Betamethasone, Dexamethasone	R1 & R2



  
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42	06/12/22	06/12/22	1	Mechanism of action and uses of <b>Thyroid and antithyroid drugs: L-Thyroxine, L-Thyronine, Propylthiouracil, Methimazole.</b>	R1 & R2
<b>UNIT-V</b>					
43	08/12/22	08/12/22	1	Definition and Classification of <b>Antidiabetic agents</b>	R1 & R2
44	09/12/22	09/12/22	1	Insulin and its preparations	R1 & R2
45	12/12/22	12/12/22	1	Mechanism of action, synthesis and uses of <b>Sulfonyl ureas: Tolbutamide*, Chlorpropamide, Glipizide, Glimepiride.</b>	R1 & R2
46	13/12/22	13/12/22	1	Mechanism of action and uses of <b>Biguanides: Metformin. Thiazolidinediones: Pioglitazone, Rosiglitazone</b>	R1 & R2
47	19/12/22	19/12/22	1	Mechanism of action and uses of <b>Meglitinides: Repaglinide, Nateglinide. Glucosidase inhibitors: Acarbose, Voglibose.</b>	R1 & R2
48	22/12/22	22/12/22	1	Definition and Classification of <b>Local Anesthetics</b>	R1 & R2
49	23/12/22	23/12/22	1	SAR of Local anesthetics	R1 & R2
50	24/12/22	24/12/22	1	Mechanism of action and uses of <b>Benzoic Acid derivatives; Cocaine, Hexylcaine, Mepylcaine, Cyclomethycaine, Piperocaine</b>	R1 & R2
51	29/12/22	29/12/22	1	Mechanism of action, synthesis and uses of <b>Amino Benzoic acid derivatives: Benzocaine*, Butamben, Procaine*, Butacaine, Propoxycaine, Tetracaine, Benoxinate.</b>	R1 & R2
52	30/12/22	30/12/22	1	Mechanism of action, synthesis and uses of <b>Lidocaine/Anilide derivatives: Lignocaine, Mepivacaine, Prilocaine, Etidocaine. Miscellaneous: Phenacaine, Dipiperodon, Dibucaine.*</b>	R1 & R2



  
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# Lesson Plan

S.No	Date		No of Hrs	Topic	Reference
	Sec A	Sec B			
				<b>UNIT-I</b>	
1	07-09-22	09-09-22	1	Introduction to pharmaceutical Analysis	R1
2	08-09-22	12-09-22	1	Terms used in UV Visible spectroscopy, Electronic transitions,	R1
3	09-09-22	15-09-22	1	chromophores, auxochromes, spectral shifts, solvent effect on absorption spectra,	R1
4	12-09-22	16-09-22	1	Beer and Lambert's law, Derivation and deviations.	R1
5	14-09-22	16-09-22	1	Instrumentation - Sources of radiation, wavelength selectors, sample cells,	R1
6	16-09-22	23-09-22	1	detectors-Photo tube, Photomultiplier tube, Photo voltaic cell, Silicon Photodiode and applications and Revision	R5
7	17-09-22	23-09-22	1	<b>Fluorimetry</b>  Theory, Concepts of singlet, doublet and triplet electronic states, internal and external conversions,	R1
8	19-09-22	24-09-22	1	factors affecting fluorescence, quenching,	R1
9	20-09-22	30-09-22	1	instrumentation and applications	R1
				<b>UNIT-II</b>	
10	23-09-22	30-09-22		<b>IR:</b> Introduction, fundamental	R2



				modes of vibrations in poly atomic molecules	
11	23-09-22	01-10-22	1	Sample handling, factors affecting vibrations	R2
12	26-09-22	01-10-22	1	Instrumentation - Sources of radiation, wavelength selectors	R3
13	27-09-22	07-10-22	1	detectors - Golay cell, Bolometer, Thermocouple, Thermister, Pyroelectric detector and applications	R10
14	30-09-22	07-10-22	1	<b>Flame Photometry</b> -Principle, instrumentation	R1
15	30-09-22	08-10-22	1	Instrumentation, interferences and applications	R1
16	07-10-22	08-10-22	1	<b>Atomic absorption spectroscopy</b> Principle, instrumentation	R1
17	07-10-22	13-10-22	1	Instrumentation, interferences and applications	R1
18	10-10-22	14-10-22	1	<b>Nepheloturbidometry</b> -Principle, instrumentation	R3
19	11-10-22	15-10-22	1	instrumentation and applications	R3
				<b>Unit III</b>	
20	13-10-22	15-10-22	1	<b>Thin layer chromatography</b> -Introduction, Principle, Methodology	R1
21	14-10-22	20-10-22	1	Methodology, Rf values, advantages, disadvantages and applications.	R1
22	18-10-22	20-10-22	1	<b>Paper chromatography</b> -Introduction, methodology,	R1



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23	20-10-22	22-10-22	1	development techniques, advantages, disadvantages and applications	R1
24	20-10-22	28-10-22	1	<b>Adsorption and partition column chromatography-</b> Methodology, advantages,	R1
25	25-10-22	29-10-22	1	<b>Electrophoresis-</b> Introduction, factors affecting electrophoretic mobility,	R1
26	28-10-22	05-11-22	1	Techniques of paper, gel	R1
27	28-10-22	05-11-22	1	capillary electrophoresis,	R1
28	07-11-22	11-11-22	1	applications	R1
				<b>Unit-IV</b>	
29	07-11-22	18-11-22	1	GC: Introduction, theory, instrumentation,	R4
30	08-11-22	19-11-22	1	instrumentation	R4
31	11-11-22	19-11-22	1	instrumentation	R4
32	11-11-22	25-11-22	1	derivatization	R4
33	14-11-22	26-11-22	1	HPLC: Introduction, theory,	R1
34	15-11-22	28-11-22	1	instrumentation	R4
35	18-11-22	29-11-22	1	instrumentation	R1
36	21-11-22	02-12-22	1	Advantages and applications	R1
				<b>Unit-V</b>	
37	22-11-22	02-12-22	1	<b>Ion Exchange Chromatography:</b> Introduction, classification, ion exchange resins	R1



38	25-11-22	03-12-22	1	properties, mechanism of ion exchange process	R1
39	28-11-22	09-12-22	1	factors affecting ion exchange, methodology	R1
40	29-11-22	09-12-22	1	Revision and applications	R1
41	02-12-22	16-12-22	1	<b>Gel chromatography</b> Introduction, theory, instrumentation and applications	R1
42	05-12-22	16-12-22	1	Introduction, theory,	R1
43	06-12-22	17-12-22	1	instrumentation	R1
44	12-12-22	17-12-22	1	instrumentation	R1
45	16-12-22	17-12-22	1	applications	R1



  
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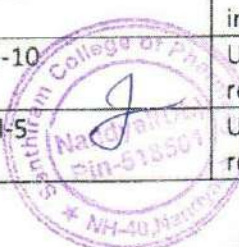
### ACADEMIC PLANNER

Subject Title : PHARMACEUTICAL INORGANIC CHEMISTRY (Theory & Practical)

Subject Codes : 17T00105 & 17T00111

LECTURE:72 Hrs./TUTORIAL:36 Hrs./PRACTICAL:108 Hrs.

WEEK	TIME in Hrs.	MODULE	TOPIC
1	1	Lecture-1	Unit.1: Introduction to Inorganic chemistry
	1	Lecture-2	Unit.1: Errors in quantitative analysis, classification of errors and concept of accuracy and precision
	1	Tutorial-1	Unit.1: Revision and discussion on errors, accuracy and precision and their calculations.
	3	Practical Experiment-1	Experiment-1: Limit test for chlorides - To demonstrate the limit test for chlorides in the given sample and explanation on how to compare the standard and sample opalescence.
2	1	Lecture-3	Unit.1: treatment of analytical results,
	1	Lecture-4	Unit.1: Principle of volumetric analysis,
	1	Tutorial-2	Unit.1: a review on analytical figures and rounding of results and principles and types of volumetric analysis.
	3	Practical Experiment-2	Experiment-2: Limit test for sulphates - To demonstrate the limit test for sulphates in the given sample and explanation on how to compare the standard and sample opalescence.
3	1	Lecture-5	Unit.1: different methods for expressing concentrations of solutions, primary and secondary standards
	1	Lecture-6	Unit.1: Acid- base concepts, relative strength of acids and bases, law of mass action,
	1	Tutorial-3	Unit.1: revision and calculations of various methods of expressing concentrations.
	3	Practical Experiment-3	Experiment-4: Limit test for Iron - To demonstrate the limit test for Iron in the given sample and explanation on how to compare the standard and sample colour.
4	1	Lecture-7	Unit.1: common ion effect, ionic product of water, Henderson-Hasselbalch equation,
	1	Lecture-8	Unit.1: buffer solutions, theory of indicators, neutralization curves,
	1	Tutorial-4	Unit.1: revision of concepts of buffers, indicators and common ion effect.
	3	Practical Experiment-4	Experiment-5: Limit test for Heavy Metals - To demonstrate the limit test for Heavy Metals in the given sample and explanation on how to compare the standard and sample colour.
5	1	Lecture-9	Unit.1: choice of indicators, mixed and universal indicators
	1	Lecture-10	Unit.1: Concepts of oxidation-reduction reactions
	1	Tutorial-5	Unit.1: discussion on indicators and redox reactions.







	3	Practical Experiment-5	Experiment-6: Limit test for Arsenic - To demonstrate the limit test for Arsenic in the given sample and explanation on how to compare the standard and sample colour.
6	1	Lecture-11	Unit.1: redox reactions,
	1	Lecture-12	Unit.1: heory of redox titrations, redox indicators, iodometry and iodimetry,
	1	Tutorial-6	Unit.1: revision of redox reactions and its concepts
	3	Practical Experiment-6	Modified limit tests for chlorides and sulphates
7	1	Lecture-13	Unit.1: titrations involving cerric sulphate, potassium iodate,
	1	Lecture-14	Unit.1: potassium bromate, potassium permanganate, titanous chloride.
	1	Tutorial-7	Unit.1: discussion on redox titrations
	3	Practical Experiment-7	Experiment-7: Assay of Ammonium chloride by Acid-base titration
8	1	Lecture-15	Unit.2: Theoretical basis, types of solvents, preparations and standardization of titrant solutions,
	1	Lecture-16	Unit.2: titration of weak acid, weak bases and indicators.
	1	Tutorial-8	Unit.2:discussion of various solvents and titrates used in NAT
	3	Practical Experiment-8	Experiment-8: Assay of Ferrous sulphate by cerimetry
9	1	Lecture-17	Unit.2: Prep. and standardisation of perchloric acid, lithium and
	1	Lecture-18	Unit.2: Prep. and standardisation of sodium methoxide, tetra butyl ammonium hydroxide.
	1	Tutorial-9	Unit.2: discussion on non-aq titration and its concepts
	3	Practical Experiment-9	Experiment-9: Assay of copper sulphate by iodometry
10	1	Lecture-19	Unit.2: Introduction, types of precipitation titrations
	1	Lecture-20	Unit.2: end point detection in PPT titrations
	1	Tutorial-10	Unit.2: Revision of precipitation reactions
	3	Practical Experiment-10	Experiment-10:assay of calcium gluconate by complexometry
11	1	Lecture-21	Unit.2: Introduction on complexometric titrations
	1	Lecture-22	Unit.2: principle and types of on complexometric titrations
	1	Tutorial-11	Unit.2: Revision of complexometric titrations.
	3	Practical Experiment-11	Experiment-11: Assay of hydrogen peroxide by permanganametry
12	1	Lecture-23	Unit.2: types of titrations in complexometric titrations
	1	Lecture-24	Unit.2: endpoint detection in complexometric titrations
	1	Tutorial-12	Unit.2: discussion on complexometric titrations.



	3	Practical Experiment-12	Experiment-12: Assay of sodium benzoate by non aqueous titrations
<b>FIRST MIDTERM EXAMINATIONS</b>			
13	1	Lecture-25	Unit.2: Applications and assays of some official compounds by complexometric titrations
	1	Lecture-26	Unit.2: Theory of Indicators and Mechanism of indicators and colour change
	1	Tutorial-13	Unit.2: revision on complexometry and mechanism of indicators.
	3	Practical Experiment-13	Experiment-13: Assay of sodium chloride by modified volhard's method
14	1	Lecture-27	Unit.2: quinoid theory
	1	Lecture-28	Unit.2: Benzoid theory
	1	Tutorial-14	Unit.2: revision on theories of indicators
	3	Practical Experiment-14	Experiment-14: Assay of potassium iodate by KIO <sub>3</sub> titrations
15	1	Lecture-29	Unit.3: Basic concepts, Precipitation techniques,
	1	Lecture-30	Unit.3: co-precipitation, post-precipitation
	1	Tutorial-15	Unit.3: revision on gravimetric concepts.
	3	Practical Experiment-15	Experiment-15: Estimation of barium as barium sulphate by gravimetry
16	1	Lecture-31	Unit.3: general procedures in Gravimetry
	1	Lecture-32	Unit.3: various steps involved in gravimetric analysis, pharmaceutical applications.
	1	Tutorial-16	Unit.3: discussion on Gravimetry and its applications.
	3	Practical Experiment-16	Experiment-16: assay of sodium antimony gluconate
17	1	Lecture-33	Unit.3: Definition and importance of limit tests
	1	Lecture-34	Unit.3: general procedure for limit test for chlorides and sulphates
	1	Tutorial-17	Unit.3: discussion and revision on limit tests
	3	Practical Experiment-17	Experiment-17: assay of antimony potassium tartarate.
18	1	Lecture-35	Unit.3: general procedure for limit test for iron and lead
	1	Lecture-36	Unit.3: general procedure for limit test for arsenic
	1	Tutorial-18	Unit.3: revision of limit tests.
	3	Practical Experiment-18	Experiment-18: Estimation of mixture of sodium hydroxide and sodium carbonate
19	1	Lecture-37	Unit.3: general procedure for limit test for heavy metals.
	1	Lecture-38	Unit.3: Introduction to medicinal gases
	1	Tutorial-19	Unit.3 Discussion on limit tests of heavy metals and medicinal gases.
	3	Practical Experiment-19	Experiment-19: Estimation of mixture of Boric acid and borax.
20	1	Lecture-39	Unit.3: : Preparation and uses of Oxygen, Carbon Dioxide



	1	Lecture-40	Unit.3: Preparation and uses of Helium, Nitrogen and Nitrous Oxide
	1	Tutorial-20	Unit.3: Revision on importance of medicinal gases
	3	Practical Experiment-20	Experiment-20 Estimation of mixture of oxalic acid and sodium oxalate.
21	1	Lecture-41	Unit.3: Acidifiers - introduction and importance
	1	Lecture-42	Unit.3: Monograph of Dilute hydrochloric acid, Sodium phosphate, Ammonium chloride
	1	Tutorial-21	Unit.3: discussion on acidifiers and drugs monographs
	3	Practical Experiment-21	Experiment-21: Identification tests for sodium bicarbonate
22	1	Lecture-43	Unit.4: Antacids - introduction and classification
	1	Lecture-44	Unit.4: Qualities of an ideal antacid, side effects, advantages, combination therapy, acid neutralizing capacity,
	1	Tutorial-22	Unit.4: discussion on antacids and drugs
	3	Practical Experiment-22	Experiment-22: Identification tests for barium sulphate
23	1	Lecture-45	Unit.4: Monograph of Sodium bicarbonate, Potassium citrate, Aluminium hydroxide gel, Dried aluminium hydroxide gel, Magnesium hydroxide
	1	Lecture-46	Unit.4: Monograph of Light and heavy magnesium trisilicate, light and heavy magnesium carbonate, Calcium carbonate, Magaldrate and Bismuth carbonate
	1	Tutorial-23	Unit.4: revision on drug mono graphs
	3	Practical Experiment-23	Experiment-23: Identification tests for ferrous sulphate
24	1	Lecture-47	Unit.4: Introduction to cathartics
	1	Lecture-48	Unit.4: Monograph of Magnesium hydroxide, Magnesium sulphate, Magnesium carbonate and Sodium phosphate
	1	Tutorial-24	Unit.4: revision on cathartics and drug monographs
	3	Practical Experiment-24	Experiment-24: Identification tests for potassium chloride
<b>SECOND MIDTERM EXAMINATIONS</b>			
25	1	Lecture-49	Unit.4: introduction to electrolyte <i>replacement</i> therapy
	1	Lecture-50	Unit.4: Monograph of Sodium chloride, Potassium chloride, Calcium chloride, Calcium gluconate
	1	Tutorial-25	Unit.4: Revision on electrolytes in physiological conditions.
	3	Practical Experiment-25	Experiment-25: test for the purity of : swelling power of Bentonite
26	1	Lecture-51	Unit.4: <i>Electrolytes used in the acid-base therapy</i> : Sodium acetate, Potassium acetate, Sodium bicarbonate, Potassium bicarbonate,




	1	Lecture-52	Unit.4: Sodium citrate, Sodium lactate, Ammonium chloride
	1	Tutorial-26	Unit.4: Revision on electrolytes in acid base therapy
	3	Practical Experiment-26	Experiment-26: test for the purity of : Acid neutralizing capacity in aluminium hydroxide gel
27	1	Lecture-53	Unit.4: Sodium citrate, Sodium lactate, Ammonium chloride. Electrolyte combination therapy, Compound sodium chloride solution, Sodium chloride injection and Oral rehydration salt.
	1	Lecture-54	Unit.4: introduction to essential trace elements
	1	Tutorial-27	Unit.4: discussion on trace elements and their importance in Haemostasis
	3	Practical Experiment-27	Experiment-27: test for the purity of : Ammonium salts in potash alum
28	1	Lecture-55	Unit.4: Definition, Physiological role of Iron, Copper, Zinc, Chromium
	1	Lecture-56	Unit.4: Physiological role of Manganese, Molybdenum, Selenium, Sulphur and Iodine.
	1	Tutorial-28	Unit.4: discussion on physiological roles of various components.
	3	Practical Experiment-28	Experiment-28: test for the purity of : Adsorption power heavy Kaolin
29	1	Lecture-57	Unit.5: Introduction to antimicrobials, definitions and importance of antimicrobial therapy.
	1	Lecture-58	Unit.5: Drug monograph of Hydrogen Peroxide, Potassium Permanganate, Chlorinated Lime, Iodine, Boric Acid, Silver Nitrate, Selenium Sulphides.
	1	Tutorial-29	Unit.5: discussion on antimicrobial therapy and their drugs
	3	Practical Experiment-29	Experiment-29: test for the purity of : Presence of Iodates in KI
30	1	Lecture-59	Unit.5: Introduction to pharmaceutical aids. Monographs of Sodium bisulphite, sodium metabisulphite, bentonite, magnesium stearate, zinc stearate, aluminium sulphate
	1	Lecture-60	Unit.5: Monographs of sodium carboxy methyl cellulose, purified water, water for injection and sterile water for injection.
	1	Tutorial-30	Unit.5: revision on drug mono graphs of pharmaceutical aids.
	3	Practical Experiment-30	Experiment-30: Preparation of Boric acid from borax
31	1	Lecture-61	Unit.5: Introduction to dental products.
	1	Lecture-62	Unit.5: Anti-caries Agents: Role of Fluorides as anti-caries agents, Sodium fluoride.
	1	Tutorial-31	Unit.5: discussion on anti caries agents and other drug mono graphs

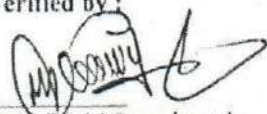


	3	Practical Experiment-31	Experiment-31: Preparation of potash alum
32	1	Lecture-63	Unit.5: <i>Dentifrices</i> : Calcium carbonate, dibasic calcium phosphate, Zinc chloride.
	1	Lecture-64	Unit.5: Sclerosing agents: Hypertonic saline, Sodium tetra decyl sulphate
	1	Tutorial-32	Unit.5: revision on dentifrices and sclerosing agents.
	3	Practical Experiment-32	Experiment-32: Preparation of calcium lactate.
33	1	Lecture-65	Unit.5: Expectorants: Potassium citrate and Potassium iodide
	1	Lecture-66	Unit.5: Sedative: Potassium bromide
	1	Tutorial-33	Unit.5: discussion on expotorants and sedatives
	3	Practical Experiment-33	Experiment-33: Preparation of magnesium sulphate
34	1	Lecture-67	Unit.5: Antidotes: Sodium nitrite, Sodium thiosulphate and Charcoal
	1	Lecture-68	Unit.5: Respiratory stimulant: Ammonium carbonate
	1	Tutorial-34	Unit.5: revision on antidotes and respiratory stimulants.
	3	Practical Experiment-34	Experiment-34: Preparation of Buffers
35	1	Lecture-69	Unit.5: Introduction on Radiopharmaceuticals. Introduction
	1	Lecture-70	Unit.5: measurement of radioactivity, hazards and precautions
	1	Tutorial-35	Unit.5: Revision of measurement of radioactivity and its hazards and precautions.
	3	Practical Experiment-35	Experiment-35: Determination of pH of buffer solutions.
36	1	Lecture-71	Unit.5: clinical applications and dosage
	1	Lecture-72	Unit.5: Revision of old question papers
	1	Tutorial-36	Unit.5: Discussion and revision on clinical applications and dosage of radiopharmaceuticals
	3	Practical Experiment-36	Experiment-36: Determination of end point in titrations using potentiometry.
37	<b>REVISION WEEK</b>		
<b>THIRD MIDTERM EXAMINATIONS</b>			
<b>FINAL EXAM PREPARATION BREAK</b>			
<b>FINAL EXAM WEEK</b>			
<b>BREAK</b>			

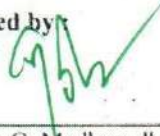
Prepared by :

  
Dr. B. Mohammed Ishaq  
Department of Ph. Analysis  
Subject Title : Pharmaceutical  
Inorganic chemistry  
Faculty : Faculty of Pharmacy  
Subject Codes : 17T00105 & 17T00106  
Date :

Verified by :

  
Prof. Dr. M. Sreenivasulu  
Head Of the Department  
Department of Pharmaceutical  
chemistry  
Faculty of Pharmacy

Approved by :

  
Prof. Dr. C. Madhusudhana Chetty  
Principal  
Faculty of Pharmacy



  
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**ACADEMIC PLANNER**

Pathophysiology Theory			
Subject code : 17T00201			
LECTURE:72 Hrs./TUTORIAL:36 Hrs.			
ACADEMIC PLANNER			
WEEK	TIME in Hrs.	MODULE	TOPIC
1	1	Lecture-1	Introduction on pathophysiology
	1	Lecture-2	UNIT 1:Basic Principles of Cell Injury, Adaptation
	1	Tutorial -1	UNIT 1: Introduction on pathophysiology and Basic Principles of Cell Injury, Adaptation
2	1	Lecture-3	UNIT 1:Etiology and pathophysiology of cellular injury
	1	Lecture-4	UNIT 1:morphology of cell injury and Cellular adaptations
	1	Tutorial-2	UNIT 1:Etiology and pathophysiology of cellular injury and morphology of cell injury and Cellular adaptations
3	1	Lecture-5	UNIT 1: Intracellular accumulation of Glycogen storage diseases
	1	Lecture-6	UNIT 1: Intracellular accumulation of lipoproteins disorders
	1	Tutorial-3	UNIT 1: Intracellular accumulation of Glycogen storage diseases and Intracellular accumulation of lipoproteins disorders
4	1	Lecture-7	UNIT 2: mechanism involved in acute inflammation.
	1	Lecture-8	UNIT 2: mechanism involved in chronic inflammation.
	1	Tutorial-4	UNIT 2: mechanism involved in acute inflammation and mechanism involved in chronic inflammation.



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**ACADEMIC PLANNER**

5	1	Lecture-9	UNIT 2:mediators of inflammation and healing of wounds
	1	Lecture-10	UNIT 2 : introduction to Diseases of immunity
	1	Tutorial-5	UNIT 2:mediators of inflammation and healing of wounds and introduction to Diseases of immunity
6	1	Lecture-11	UNIT 3 : introduction to MHC proteins or transplantation antigens
	1	Lecture-12	UNIT 3 : classification of MHC proteins and its uses
	1	Tutorial-6	UNIT 3 :introduction to T&B cells
7	1	Lecture -13	UNIT 3 : introduction immune tolerance
	1	Lecture-14	UNIT 3 : introduction to hypersensitivity reactions types
	1	Tutorial-7	UNIT 3 : introduction immune tolerance And hypersensitivity reactions types
8	1	Lecture-15	UNIT 3 : allergy due to food ,chemical and drugs
	1	Lecture-16	UNIT 3 : pathophysiology of hypersensitivity reactions types , biological significance
	1	Tutorial-8	UNIT 3 : allergy due to food ,chemical and drugs and pathophysiology of hypersensitivity reactions types , biological significance
9	1	Lecture-17	UNIT 3 : criteria for autoimmunity
	1	Lecture-18	UNIT 3: introduction to autoimmunity
	1	Tutorial-9	UNIT 3: criteria for autoimmunity
10	1	Lecture-19	UNIT 3 : mechanism of autoimmunity
	1	Lecture-20	UNIT 3 : classification of autoimmune diaseses in man
	1	Tutorial-10	UNIT 3 :causes of autoimmunity

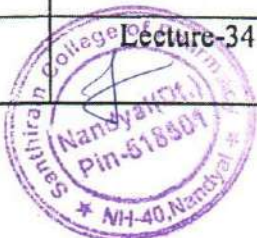


  
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**ACADEMIC PLANNER**

11	1	Lecture-21	UNIT 3 : allograft rejections mechanism
	1	Lecture-22	UNIT 3 : transplantation and immunological tolerance
	1	Tutorial – 11	UNIT 3 : auto graft rejections mechanism
12	1	Lecture-23	UNIT 3 : mechanism of rejection of allograft
	1	Lecture-24	UNIT 3 : transplantation antigens
	1	Tutorial-12	UNIT 3 : Pathophysiology of AIDS (Acquired immune deficiency syndrome)
<b>FIRST MIDTERM EXAMINATIONS</b>			
13	1	Lecture-25	UNIT 4: Introduction on Cancer
	1	Lecture-26	UNIT 4: Introduction on Cancer, Types of cancer
	1	Tutorial – 13	UNIT 4: causes of Cancer, Types of cancer
14	1	Lecture-27	UNIT 4: cell cycle of normal & cancer
	1	Lecture-28	UNIT 4: spread of malignant tumours and invasion and metastasis.
	1	Tutorial-14	UNIT 4: spreading of cancer mechanism
15	1	Lecture-29	UNIT 4 : patterns of disturbances of growth of cells, classification
	1	Lecture-30	UNIT 4: Apoptosis
	1	Tutorial - 15	UNIT 4 : difference between benign and malignant tumours examples
16	1	Lecture-31	UNIT 4 : histological diagnosis of malignancy
	1	Lecture-32	UNIT 4: difference between benign and malignant tumours
	1	Tutorial – 16	UNIT 4.: general biology and etiology and pathogenesis of cancer
17	1	Lecture-33	UNIT 5: introduction of shock
	1	Lecture-34	UNIT 5: mechanism and stages of shock



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**ACADEMIC PLANNER**

18	1	Tutorial – 17	UNIT 5: stages of shock
	1	Lecture-35	UNIT 5: Types of shock and its etiology
	1	Lecture-36	UNIT 5: management of shocks
	1	Tutorial – 18	UNIT 5: mechanism of septic shock
19	1	Lecture-37	UNIT -6 : introduction of biological effects of radiation
	1	Lecture-38	UNIT -6 : acute effects of radiation
	1	Tutorial – 19	UNIT -6 : chronic effects of radiation
20	1	Lecture-39	UNIT -7 : introduction of environmental and nutritional diseases
	1	Lecture-40	UNIT -7 : air pollution and smoking – SO <sub>2</sub> and NO
	1	Tutorial-20	UNIT -7 : introduction of environmental diseases
21	1	Lecture-41	UNIT -7 : air pollution and smoking – NO <sub>2</sub> and CO.
	1	Lecture -42	UNIT -7: Nutritional diseases – water soluble vitamins.
	1	Tutorial-21	UNIT -7 : air pollution and smoking – SO <sub>2</sub> and NO
22	1	Lecture-43	UNIT -7: Nutritional diseases – fat.
	1	Lecture -44	UNIT -7: Nutritional diseases – Obesity
	1	Tutorial-22	UNIT -7: Nutritional diseases -starvation
23	1	Lecture-45	UNIT -7: Nutritional diseases – protein calorie malnutrition,
	1	Lecture -46	UNIT -7: Nutritional diseases - vitamins
	1	Tutorial-23	UNIT -7: Nutritional diseases – vitamins deficiency
24	1	Lecture-47	UNIT -7: Nutritional diseases - starvation
	1	Lecture -48	UNIT -7 : air pollution and smoking – NO <sub>2</sub> , CO, SO <sub>2</sub> and NO
	1	Tutorial-24	UNIT -7 : air pollution and smoking

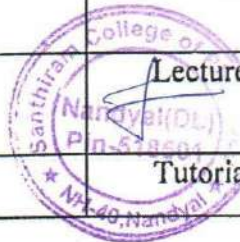
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**ACADEMIC PLANNER**

			examples
<b>SECOND MID TERM EXAMINATION</b>			
25	1	Lecture-49	UNIT 8 : Pathophysiology of Alcoholic liver diseases
	1	Lecture -50	UNIT 8 : pathophysiology of acute and chronic renal failure
	1	Tutorial-25	UNIT 8 : Pathophysiology of cirrhosis of liver,
26	1	Lecture-51	UNIT 8: Pathophysiology of atherosclerosis, myocardial infarction
	1	Lecture -52	UNIT 8 : Pathophysiology of Asthma
	1	Tutorial-26	UNIT 8 : Pathophysiology of Chronic obstructive lung disease
27	1	Lecture-53	UNIT 8: pathophysiology of IBD, and peptic ulcer disease.
	1	Lecture -54	UNIT 8: pathophysiology of and mania.
	1	Tutorial-27	UNIT 8: pathophysiology of depression
28	1	Lecture-55	UNIT 8: pathophysiology and types of Parkinson's diseases
	1	Lecture -56	UNIT 8: pathophysiology of stroke (ischemic and hemorrhagic )
	1	Tutorial-28	UNIT 8: pathophysiology of schizophrenia,
29	1	Lecture-57	UNIT 8: Pathophysiology of hypertension
	1	Lecture -58	UNIT 8: Pathophysiology of angina, congestive cardiac failure
	1	Tutorial-29	UNIT 8: Pathophysiology of diabetes mellitus
30	1	Lecture-59	Unit -9: introduction to infectious diseases
	1	Lecture -60	UNIT -9: sexually transmitted diseases syphilis
	1	Tutorial-30	Unit -9: introduction to infectious



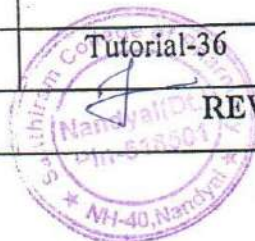
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			diseases syphilis
31	1	Lecture-61	UNIT -9: sexually transmitted diseases Gonorrhoea
	1	Lecture -62	UNIT -9: sexually transmitted diseases HIV
	1	Tutorial-31	UNIT -9: sexually transmitted diseases Gonorrhoea and HIV
32	1	Lecture-63	UNIT -9: Pathophysiology of urinary tract infections.
	1	Lecture--64	UNIT -9: Pathophysiology of pneumonia
	1	Tutorial-32	UNIT -9: Pathophysiology of urinary tract infections and pneumonia
33	1	Lecture-65	UNIT -9: Pathophysiology of typhoid,malaria
	1	Lecture -66	UNIT -9: Pathophysiology of Tuberculosis
	1	Tutorial-33	UNIT -9: Pathophysiology of typhoid,malaria, Tuberculosis
34	1	Lecture-67	UNIT -9: Pathophysiology of leprosy
	1	Lecture -68	UNIT -9: Pathophysiology of bacterial dysentery
	1	Tutorial-34	UNIT -9: Pathophysiology of leprosy of bacterial dysentery
35	1	Lecture-69	UNIT -9: Pathophysiology of amoebis dysentery
	1	Lecture -70	UNIT -9: Introduction of hepatitis
	1	Tutorial-35	UNIT -9: Pathophysiology of amoebis dysentery and bacterial dysentery
36	1	Lecture-71	UNIT -9: introduction infective hepatitis
	1	Lecture -72	UNIT -9: Pathophysiology of infective hepatitis
	1	Tutorial-36	UNIT -9: causes of infective hepatitis
37		<b>REVISION WEEK</b>	



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**ACADEMIC PLANNER**

THIRD MID TERM EXAMINATION
FINAL EXAMINATION PREPARATION BREAK
FINAL EXAMINATIONS
BREAK

Prepared by ;

Malan

Dr. A.S .Malan bee

Assistant professor

Department of Pharmacy  
Practice

Course : PHARM.D

Faculty : Faculty of  
Pharm.D

Course Code : 17T00201

Date

Verified by:

Dr. R. E. Ugandar

Head Of the Department

Department of pharmacy practice  
Faculty of Pharmacy

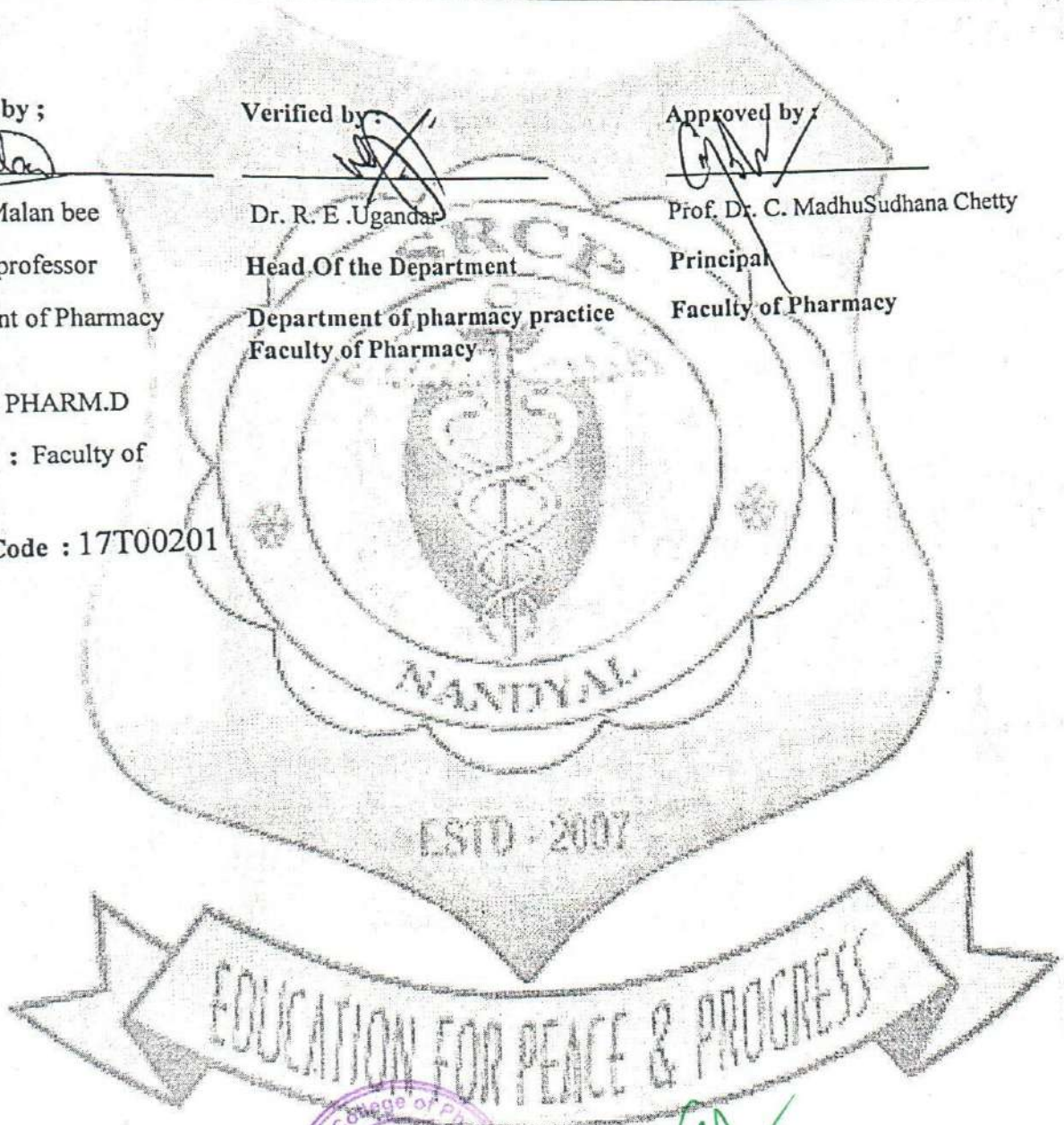
Approved by:

Prof. Dr. C. MadhuSudhana Chetty

Prof. Dr. C. MadhuSudhana Chetty

Principal

Faculty of Pharmacy



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Medicinal chemistry (Theory and Practical)			
Subject codes : 17T00305 and 17T00310			
LECTURE:72 Hrs./TUTORIAL:36 Hrs./PRACTICAL:108 Hrs.			
Academic Planner			
WEEK	TIME in Hrs.	MODULE	TOPIC
1	1	LECTURE-1	UNIT 1: Introduction about Medicinal chemistry and its importance Discussion about the Course details. Discussion about Assessment pattern of examination schedules
	1	LECTURE-2	UNIT 1: Discussion about Student Course Learning Contract.
	1	LECTURE-3	UNIT 1: Discussion about the references books have to follow for pharmaceutical organic chemistry
	1	TUTORIAL-1	UNIT 1: Common Medical Abbreviations and its Definitions in Medicinal chemistry
	3	PRACTICAL -1	Experiment-1 Introduction about safety of Medicinal chemistry laboratory.
2	1	LECTURE-4	UNIT 1: A brief introduction to Quantitative Structure Activity Relationship (QSAR).
	1	LECTURE-5	UNIT 1: A brief introduction to Quantitative Structure Activity Relationship (QSAR).
	1	LECTURE-6	UNIT 1: Prodrug.
	1	TUTORIAL-2	UNIT 1: Discussion about QSAR and prodrugs
	3	PRACTICAL-2	Experiment-2: Introduction to the medicinal chemistry.
3	1	LECTURE-7	UNIT 1: combinatorial chemistry
	1	LECTURE-8	UNIT 1: combinatorial chemistry
	1	LECTURE-9	UNIT 1: computer aided drug design
	1	TUTORIAL-3	UNIT 1: Review and discussion about solvents, acid base theories.
	3	PRACTICAL-3	Experiment-3: Introduction to the monographs.
4	1	LECTURE-10	UNIT 1: computer aided drug design
	1	LECTURE-11	UNIT 1: computer aided drug design
	1	LECTURE-12	UNIT 1: computer aided drug design
	1	TUTORIAL-4	UNIT 1: Discussion on computer aided drug design
	3	PRACTICAL -4	Experiment-4: Monograph analysis of caffeine.
5	1	LECTURE-13	UNIT 1: concept of antisense molecules.
	1	LECTURE-14	UNIT 1: concept of antisense molecules.
	1	LECTURE-15	UNIT 1: concept of antisense molecules.
	1	TUTORIAL-5	UNIT 1: Discussion on anti sense molecules.
	3	PRACTICAL -5	Experiment-5: Monograph analysis of benzocaine
6	1	LECTURE-16	UNIT 2. Local anti- infective agents
	1	LECTURE-17	UNIT 2: Preservatives
	1	LECTURE-18	UNIT 2: Antifungal agents
	1	TUTORIAL -6	UNIT 2: Antifungal agents ,Preservatives
	3	PRACTICAL-6	Experiment-6 : Monograph analysis of lignocaine
7	1	LECTURE -19	UNIT 2 Urinary tract anti- infectives



8	1	LECTURE -20	UNIT 2: Antitubercular agents
	1	LECTURE -21	UNIT 2: Antitubercular agents
	1	TUTORIAL-7	UNIT 2: Discussion on Antitubercular agents
	3	PRACTICAL-7	Experiment-7 : Monograph analysis of phenytoin
	1	LECTURE- 22	UNIT 2: Antiviral agents and Anti AIDS agents
	1	LECTURE- 23	UNIT 2: Antiviral agents and Anti AIDS agents
	1	LECTURE- 24	UNIT 2: Antiviral agents and Anti AIDS agents
9	1	LECTURE- 25	UNIT 2: Antiprotozoal agents
	1	LECTURE- 26	UNIT 2: Antiprotozoal agents.
	1	LECTURE- 27	UNIT 2: Antiprotozoal agents
	1	TUTORIAL-9	UNIT 2: Discussion on Antiprotozoal agents
	3	PRACTICAL-9	Experiment-9 : Synthesis of phenytoin from benzil
10	1	LECTURE-28	UNIT 2: Local anti- infective agents.
	1	LECTURE-29	UNIT 2: Local anti- infective agents
	1	LECTURE-30	UNIT 2: Antifungal agents
	1	TUTORIAL-10	UNIT 2: Discussion about Antifungal agents, Local anti- infective agents.
11	3	PRACTICAL-10	Experiment-10 : Synthesis of benzocaine from paba
	1	LECTURE-31	UNIT 2: Anthelmintics
	1	LECTURE-32	UNIT 2: Anthelmintics
	1	LECTURE-33	UNIT 2: Anthelmintics
	1	TUTORIAL-11	UNIT 2: Discussion about Anthelmintics
12	3	PRACTICAL-11	Experiment-11: Synthesis of diazoxide.
	1	LECTURE -34	UNIT 2: Antiscabies and Antipedicular agents
	1	LECTURE -35	UNIT 2: Antiscabies and Antipedicular agents
	1	LECTURE -36	UNIT 2: Antiscabies and Antipedicular agents
	1	TUTORIAL-12	UNIT 2: Discussion on Antiscabies and Antipedicular agents
13	3	PRACTICAL-12	Experiment-12 : Synthesis of phenothiazine from diphenylamine
	<b>I-MID TERM WEEK</b>		
	1	LECTURE -37	UNIT 3: Sulphonamides and sulphones
	1	LECTURE -38	UNIT 3: Sulphonamides and sulphones
	1	LECTURE -39	UNIT 3: Sulphonamides and sulphones
	1	TUTORIAL-13	UNIT 3: Discussion on Sulphonamides and sulphones
	3	PRACTICAL-13	Experiment-13: Synthesis of 2,3-diphenylquinoxaline.
14	1	LECTURE -40	UNIT 3: Sulphonamides and sulphones
	1	LECTURE -41	UNIT 3: Sulphonamides and sulphones
	1	LECTURE -42	UNIT 3: Sulphonamides and sulphones
	1	TUTORIAL-14	UNIT 3: Review and discussion on
	3	PRACTICAL-14	Experiment-14 : Synthesis of 7-hydroxy-4-methyl coumarine





15	1	LECTURE -43	UNIT 3: Antimalarials
	1	LECTURE -44	UNIT 3: Antimalarials
	1	LECTURE -45	UNIT 3: Antimalarials
	1	TUTORIAL-15	UNIT 3: Discussion on Antimalarials
	3	PRACTICAL-15	Experiment-15 : Synthesis of benzoic acid from benzil
16	1	LECTURE -46	UNIT 3: Antibiotics
	1	LECTURE -47	UNIT 3: Antibiotics
	1	LECTURE -48	UNIT 3: Antibiotics
	1	TUTORIAL-16	UNIT 3: Discussion on Antibiotics
	3	PRACTICAL-16	Experiment-16.: Synthesis of antipyrine from ethyl acetoacetate
17	1	LECTURE -49	UNIT 3: Antibiotics
	1	LECTURE -50	UNIT 3: Antibiotics
	1	LECTURE -51	UNIT 3: Antibiotics
	1	TUTORIAL-17	UNIT 3: Discussion on Antibiotics
	3	PRACTICAL-17	Experiment-17 : Synthesis of hydantoin from glycine
18	1	LECTURE -52	UNIT 3: Antibiotics
	1	LECTURE -53	UNIT 3: Antibiotics
	1	LECTURE -54	UNIT 3: Antibiotics
	1	TUTORIAL-18	UNIT 3: Discussion on Antibiotics
	3	PRACTICAL-18	Experiment-18.: synthesis of benzophenone oxime from benzophenone
19	1	LECTURE -55	UNIT 4 : Antineoplastic agents
	1	LECTURE -56	UNIT 4 : Antineoplastic agents
	1	LECTURE -57	UNIT 4 : Antineoplastic agents
	1	TUTORIAL-19	UNIT 4 : Discussion on Antineoplastic agents
	3	PRACTICAL-19	Experiment 19: Monograph analysis of caffeine
20	1	LECTURE -58	UNIT 4 Antihypertensive agents
	1	LECTURE -59	UNIT 4 Antihypertensive agents
	1	LECTURE -60	UNIT 4 Antianginal agents and vasodilators
	1	TUTORIAL-20	UNIT 4: Discussion on Antihypertensive agents Antianginal agents and vasodilators
	3	PRACTICAL-20	Experiment 20: Monograph analysis of benzocaine
21	1	LECTURE -61	UNIT 4: Antianginal agents and vasodilators
	1	LECTURE -62	UNIT 4: Antiarrhythmic agents

22	1	LECTURE -63	UNIT 4 Antiarrhythmic agents
	1	TUTORIAL-21	UNIT 4 Discussion on Antiarrhythmic agents
	3	PRACTICAL-21	Experiment-21 : Monograph analysis of lignocaine
	1	LECTURE -64	UNIT 4 Antihyperlipidemic agents
	1	LECTURE -65	UNIT 4 Antihyperlipidemic agents
	1	LECTURE -66	UNIT 4 Coagulants and Anticoagulants
	1	TUTORIAL-22	UNIT 4 Discussion on Coagulants and Anticoagulants
23	3	PRACTICAL-22	Experiment-22 : Monograph analysis of phenytoin
	1	LECTURE -67	UNIT 4 Coagulants and Anticoagulants
	1	LECTURE -68	UNIT 4 Endocrine
	1	LECTURE -69	UNIT 4 Endocrine
	1	TUTORIAL-23	UNIT 4 : Discussion on Coagulants and Anticoagulants, Endocrine.
24	3	PRACTICAL-23	Experiment- 23: : Synthesis of phenytoin from benzil
	1	LECTURE -70	UNIT 4 Endocrine
	1	LECTURE -71	UNIT 4 Endocrine
	1	LECTURE -72	UNIT 4 Endocrine
	1	TUTORIAL-24	UNIT 4: Discussion on Endocrine
	3	PRACTICAL-24	Experiment-24 : Synthesis of barbituric acid from diethyl malonate
<b>II- MID TERM WEEK</b>			
25	1	LECTURE -73	UNIT 5: Hypoglycemic agents
	1	LECTURE -74	UNIT 5: Hypoglycemic agents
	1	LECTURE -75	UNIT 5: Hypoglycemic agents
	1	TUTORIAL-25	UNIT 5: Discussion on Hypoglycemic agents
	3	PRACTICAL-25	Experiment-25 : Synthesis of benzocaine from paba
26	1	LECTURE -76	UNIT 5: Thyroid and Antithyroid agents
	1	LECTURE -77	UNIT 5: Thyroid and Antithyroid agents
	1	LECTURE -78	UNIT 5: Thyroid and Antithyroid agents
	1	TUTORIAL-26	UNIT 5: Discussion on Thyroid and Antithyroid agents
	3	PRACTICAL-26	Experiment-26 : Synthesis of phenytoin from benzil
27	1	LECTURE -79	UNIT 5: Diuretics
	1	LECTURE -80	UNIT 5: Diuretics
	1	LECTURE -81	UNIT 5: Diuretics
	1	TUTORIAL-27	UNIT 5: Discussion on Diuretics







28	3	PRACTICAL-27	Experiment-27 : Synthesis of benzocaine from paba
	1	LECTURE -82	UNIT 5: Diuretics
	1	LECTURE -83	UNIT 5: Diuretics
	1	LECTURE -84	UNIT 5: Diuretics
	1	TUTORIAL-28	UNIT 5: Discussion on Diuretics
29	3	PRACTICAL-28	Experiment-28 : Synthesis of phenothiazine from diphenylamine
	1	LECTURE -85	UNIT 5: Diuretics
	1	LECTURE -86	UNIT 5: Diuretics
	1	LECTURE -87	UNIT 5: Diuretics
	1	TUTORIAL-29	UNIT 5: Discussion on Diuretics
30	3	PRACTICAL-29	Experiment-29 : Synthesis of diazoxide
	1	LECTURE -88	UNIT 5: Diagnostic agents
	1	LECTURE -89	UNIT 5: Diagnostic agents
	1	LECTURE -90	UNIT 5: Diagnostic agents
	1	TUTORIAL-30	UNIT 5: Discussion on Diagnostic agents
31	3	PRACTICAL-30	Experiment-30: Synthesis of 2,3-diphenylquinoxaline.
	1	LECTURE -91	UNIT 5: Diagnostic agents
	1	LECTURE -92	UNIT 5: Diagnostic agents
	1	LECTURE -93	UNIT 5: Diagnostic agents
	1	TUTORIAL-31	UNIT 5: Discussion on Diagnostic agents
32	3	PRACTICAL-31	Experiment- 31 : Synthesis of 7-hydroxy-4-methyl coumarine.
	1	LECTURE -94	UNIT 5: Diagnostic agents
	1	LECTURE -95	UNIT 5: Diagnostic agents
	1	LECTURE -96	UNIT 5: Diagnostic agents
	1	TUTORIAL-32	UNIT 5: Discussion on Diagnostic agents
33	3	PRACTICAL-32	Experiment-32: Synthesis of benzoic acid from benzil
	1	LECTURE -97	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -98	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -99	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	TUTORIAL-33	UNIT 5: Discussion on Steroidal Hormones and Adrenocorticoids
	3	PRACTICAL-33	Experiment-33: Synthesis of antipyrine from ethyl



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34	1	LECTURE -100	acetoacetate UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -101	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -102	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	TUTORIAL-34	UNIT 5: Discussion on Steroidal Hormones and Adrenocorticoids.
	3	PRACTICAL-34	Experiment-34: Synthesis of hydantoin from glycine
35	1	LECTURE -103	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -104	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -105	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	TUTORIAL-35	UNIT 5: Discussion on Steroidal Hormones and Adrenocorticoids
	3	PRACTICAL-35	Experiment-35: Synthesis of benzophenone oxime from benzophenone
36	1	LECTURE -106	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -107	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	LECTURE -108	UNIT 5: Steroidal Hormones and Adrenocorticoids
	1	TUTORIAL-36	UNIT 5: Discussion on Steroidal Hormones and Adrenocorticoids
	3	PRACTICAL-36	Experiment-36: Synthesis of benzophenone oxime from benzophenone
37	REVISION WEEK		
	THIRD MIDTERM EXAMINATIONS		
	FINAL EXAM PREPARATION BREAK		
	FINAL EXAM WEEK		
			BREAK



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### ACADEMIC PLANNER

V PHARM.D

Clinical pharmacokinetics and Pharmacotherapeutic drug monitoring

Subject code : 17T00503

CREDIT :

LECTURE: 13weeks /39 Hrs /TUTORIAL:13 Hrs

CLERKSHIP WITH HOSPITAL WARD ROUNDS on daily basis for first 13 Weeks &  
PROJECT WORKS : 24 Weeks (from 14<sup>th</sup> to 37<sup>th</sup> week)

#### Academic Planner

WEEK	TIME in Hrs.	MODULE	TOPIC
1	4	LECTURE 1	UNIT-1 Introduction to clinical pharmacokinetics
		LECTURE 2	UNIT-1 Scope of clinical pharmacokinetics and its applications
		LECTURE 3	UNIT-1 Relation on pharmacokinetics parameters and equations using volume of distribution and clearances in MD and LD
		TUTORIAL -1	UNIT-1 clinical pharmacokinetics problems related Maintenance and loading dose
		CLERKSHIP 1-6	Hospital ward round participation on daily basis
2	4	LECTURE 4	UNIT-2 Introduction to Designing of dosage regimens
		LECTURE 5	UNIT-2 Types and guidelines and different factors to convert from IV to PO therapy
		LECTURE 6	UNIT-2 Methods of designing DF and about factors and nomograms and tabulations
		TUTORIAL -2	UNIT-2 HOW to convert IV to PO therapy and dosing in paediatrics and obese and elderly patients
		CLERKSHIP 7-12	Hospital ward round participation on daily basis
3	4	LECTURE 7	UNIT-3 Introduction to Pharmacokinetic drug interaction

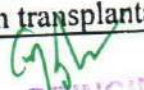


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**ACADEMIC PLANNER**

		LECTURE 8	UNIT-3 factors involved in it and its types Pharmacokinetic drug interaction
		LECTURE 9	UNIT-3 factors involved in it and its types and examples of drug – drug interactions
		TUTORIAL -3	UNIT-3 factors involved in it and its types and examples of drug – drug interactions
		CLERKSHIP 13-18	Hospital ward round participation on daily basis
4	4	LECTURE 10	UNIT-3 Inhibition of Biliary Excretion
		LECTURE 11	UNIT-3 Introduction Inhibition and Induction of Drug metabolism
		LECTURE 12	UNIT-3 Inhibition and Induction of Drug metabolism with examples
		TUTORIAL -4	UNIT-3 Discussion about Pharmacokinetic drug interaction
		CLERKSHIP 19-24	Hospital ward round participation on daily basis
5	4	LECTURE 13	UNIT-4 Introduction and Indications for TDM
		LECTURE 14	UNIT-4 Indications for TDM and necessary of TDM
		LECTURE 15	UNIT-4 Individualization of drug dosage regimen Variability – Genetic
		TUTORIAL -5	UNIT-4 Protocol for TDM.
		CLERKSHIP 25-30	Hospital ward round participation on daily basis
<b>I - MID TERM WEEK</b>			
<b>1<sup>ST</sup> CLERKSHIP REIEW</b>			
6	4	LECTURE 16	UNIT-4 TDM of drugs used in the following disease condition cardiovascular disease
		LECTURE 17	UNIT-4 TDM of drugs used in the following disease conditions- psychiatric drugs
		LECTURE 18	UNIT-4 TDM of drugs used in the following disease conditions - Seizure disorders
		TUTORIAL -6	UNIT-4 Pharmacokinetic/ Pharmacodynamic Correlation in drug therapy
		CLERKSHIP 31-36	Hospital ward round participation on daily basis
7	4	LECTURE 19	UNIT-4 Individualization of drug dosage regimen Variability –Weight and disease
		LECTURE 20	UNIT-4 TDM of drugs used in the following disease conditions - Organ transplantations

  
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**ACADEMIC PLANNER**

		LECTURE 21	UNIT-4 Individualization of drug dosage regimen Variability – age
		TUTORIAL -7	UNIT-4 Individualization of drug dosage regimen Variability –Interacting drug
		CLERKSHIP 37-42	Hospital ward round participation on daily basis
8	4	LECTURE 22	UNIT-5 Introduction to Renal impairment
		LECTURE 23	UNIT-5 General approach for dosage adjustment in Renal diseases
		LECTURE 24	UNIT-5 Dosage adjustments in RF Patients and Measurement of Glomerular Filtration rate
		TUTORIAL -8	UNIT-5 Dosage adjustments in RF Patients and Measurement of Glomerular Filtration rate
		CLERKSHIP 43-48	Hospital ward round participation on daily basis
9	4	LECTURE 25	UNIT-5 Measurement of Glomerular Filtration rate and creatinine clearance.
		LECTURE 26	UNIT-5 Calculation of creatinine clearance from serum creatinine concentration
		LECTURE 27	UNIT-5 Dosage adjustment for uremic patients
		TUTORIAL -9	UNIT-5 PK and PD correlations and dosage adjustment in Hepatic impaired patients other.
		CLERKSHIP 49-54	Hospital ward round participation on daily basis
<b>IIMID TERM EXAMINATION 2<sup>ND</sup> CLERKSHIP REIEW</b>			
10	4	LECTURE 28	UNIT-5 The nomogram method of siersback-nielsen in dosage adjustments in RF
		LECTURE 29	UNIT-5 Extracorporeal method of drug removal
		LECTURE 30	UNIT-5 PK and PD correlations and dosage adjustment in Hepatic impaired patients and renal failure patients
		TUTORIAL -10	UNIT-5 PK and PD correlations and dosage adjustment in renal failure patients
		CLERKSHIP 55-60	Hospital ward round participation on daily basis
11	4	LECTURE 31	UNIT-6 Introduction to Population PK
		LECTURE 32	UNIT-6 Analysis of Population pharmacokinetic Data



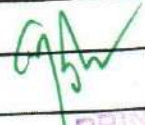
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**ACADEMIC PLANNER**

		LECTURE 33	UNIT-6 Discussionon Bayesian Theory Adaptive method or Dosing
		TUTORIAL -11	UNIT-6 Discussionon Bayesian Theory Adaptive method or Dosing with feedback
		CLERKSHIP 61-66	Hospital ward round participation on daily basis
<b>SUMMER VACCATION</b>			
12	4	LECTURE 34	UNIT-7 Introduction to Pharmacogenetics Genetic polymorphism
		LECTURE 35	UNIT-7 Knowledge on Cytochrome P-450 Isoenzymes
		LECTURE 36	UNIT-7 Introduction to Pharmacogenetics Genetic polymorphism with examples
		TUTORIAL -12	UNIT-7 Introduction to Pharmacogenetics Genetic polymorphism in Drug metabolism
		CLERKSHIP 67-72	Hospital ward round participation on daily basis
13	4	LECTURE 37	UNIT-7 Genetic Polymorphism in Drug Targets
		LECTURE 38	UNIT-7 Pharmacogenetics PK and PD correlations
		LECTURE 39	UNIT-7 Genetic Polymorphism in Drug Transport
		TUTORIAL -13	UNIT-7 Pharmacogenetics PK and PD correlations
		CLERKSHIP 73-78	Hospital ward round participation on daily basis
<b>IIIMID TERM EXAMINATION 3<sup>RD</sup> CLERKSHIP REIEW</b>			
14		PROJECT	Topic selection, collection & review of literature
15		PROJECT	Topic selection, collection & review of literature
16		PROJECT	Topic selection, collection & review of literature
17		PROJECT	Preparation & submission of Project Proposal to IEC
18		PROJECT	Collection of data
19		PROJECT	Collection of data
20		PROJECT	Collection of data
21		PROJECT	Collection of data
<b>1<sup>ST</sup> REVIEW OF PROJECT</b>			
22		PROJECT	Collection of data



  
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**Santhiram College of Pharmacy**  
Nerawada, NH-40, Nandyal-518 501, Andhra Pradesh, India.

**ACADEMIC PLANNER**

23		PROJECT	Collection of data
24		PROJECT	Collection of data
25		PROJECT	Collection of data
26		PROJECT	Collection of data
27		PROJECT	Collection of data
28		PROJECT	Collection of data
29		PROJECT	Collection of data
<b>2<sup>nd</sup> REVIEW OF PROJECT</b>			
30		PROJECT	Collection of data
31		PROJECT	Collection of data
32		PROJECT	Collection of data
33		PROJECT	Data analysis, results discussion
34		PROJECT	Data analysis, results discussion
35		PROJECT	Data analysis, results discussion
36		PROJECT	Data analysis, results discussion
37		PROJECT	Final submission
<b>3<sup>rd</sup> REVIEW OF PROJECT</b>			
<b>PREPARATION AND PROJECT VIVA VERSE EXAMINATION</b>			
<b>END EXAMS</b>			

Prepared by:

Mole  
Dr. A.S. Malan bee  
Assistant professor  
Department of Pharmacy Practice

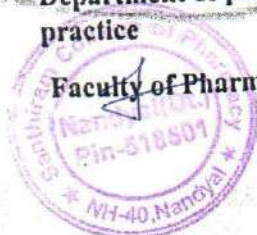
Course : PHARM.D  
Faculty : Faculty of Pharm.D  
Course Code : 17T00503

Date

Verified by:

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Dr. R. E. Ugandar  
Head of the Department  
Department of pharmacy  
practice

Faculty of Pharmacy



Approved by:

[Signature]  
Prof. Dr. C. Madhu Sudhana Chetty  
Principal

Faculty of Pharmacy

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PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.



ACADEMIC PLANNER

BIostatISTICS AND RESEARCH METHODOLOGY (THEORY)

Subject code : 17T00404

LECTURE:108 Hrs./TUTORIAL:36 Hrs

WEEK	TIME in Hrs.	MODULE	TOPIC
1	1	LECTURE-1	Research Methodology
	1	LECTURE-2	Types of clinical study designs.
	1	LECTURE-3	Types of clinical study designs
	1	TUTORIAL-1	Types of clinical study designs
2	1	LECTURE-4	UNIT 1: Designing the methodology
	1	LECTURE-5	UNIT 1: Designing the methodology
	1	LECTURE-6	UNIT 1: Designing the methodology
	1	TUTORIAL-2	UNIT 1: Sample size determination
3	1	LECTURE-7	UNIT 1: Sample size determination
	1	LECTURE-8	UNIT 1: Sample size determination
	1	LECTURE-9	UNIT 1: Sample size determination
	1	TUTORIAL-3	UNIT 1: Sample size determination
4	1	LECTURE-10	UNIT 1: Power of a study
	1	LECTURE-11	UNIT 1: Power of a study
	1	LECTURE-12	UNIT 1: determination of sample size to obtain a confidence interval of specified width, power of a study
	1	TUTORIAL-4	UNIT 1: determination of sample size to obtain a confidence interval of specified width, power of a study
5	1	LECTURE-13	UNIT 1: Report writing and presentation of data
	1	LECTURE-14	UNIT 1: Report writing and presentation of data
	1	LECTURE-15	UNIT 1: Report writing and presentation of data
	1	TUTORIAL-5	UNIT 1: Report writing and presentation of data
6	1	LECTURE-16	UNIT 2: Biostatistics
	1	LECTURE-17	UNIT 2: Types of data distribution
	1	LECTURE-18	UNIT 2: Types of data distribution
	1	TUTORIAL-6	UNIT 2: Types of data distribution
7	1	LECTURE -19	UNIT 2: Measures describing the central tendency distributions
	1	LECTURE -20	UNIT 2: Measures describing the central tendency distributions
	1	LECTURE-21	UNIT 2: Measures describing the central tendency distributions
	1	TUTORIAL-7	UNIT 2: Measures describing the central tendency distributions
8	1	LECTURE -22	UNIT 2: Measurement of the spread of data
	1	LECTURE -23	UNIT 2: Measurement of the spread of data
	1	LECTURE -24	UNIT 2: Measurement of the spread of data
	1	TUTORIAL-8	UNIT 2: Measurement of the spread of data
9	1	LECTURE- 25	UNIT 2: Measurement of the spread of data
	1	LECTURE- 26	UNIT 2: Measurement of the spread of data
	1	LECTURE- 27	UNIT 2: Measurement of the spread of data
	1	TUTORIAL-9	UNIT 2: Measurement of the spread of data







10	1	LECTURE- 28	UNIT 2: Data graphics
	1	LECTURE- 29	UNIT 2: Data graphics
	1	LECTURE- 30	UNIT 2: Data graphics
	1	TUTORIAL-10	UNIT 2: Data graphics
11	1	LECTURE-31	UNIT 2: Data graphics
	1	LECTURE-32	UNIT 2: Data graphics
	1	LECTURE-33	UNIT 2: Data graphics
	1	TUTORIAL-11	UNIT 2: Data graphics
12	1	LECTURE-34	UNIT 2: Data graphics
	1	LECTURE-35	UNIT 2: Data graphics
	1	LECTURE-36	UNIT 2: Data graphics
	1	TUTORIAL-12	Explanation on 1 & 2 Chapters Overall
I-MID TERM PREPARATION WEEK MID TERM WEEK MID TERM BREAK			
13	1	LECTURE -37	UNIT 3: Basics of testing hypothesis
	1	LECTURE -38	UNIT 3: Null hypothesis
	1	LECTURE -39	UNIT 3: Null hypothesis
	1	TUTORIAL-13	UNIT 3: Null hypothesis
14	1	LECTURE -40	UNIT 3: Null hypothesis
	1	LECTURE -41	UNIT 3: level of significance
	1	LECTURE -42	UNIT 3: level of significance
	1	TUTORIAL-14	UNIT 3: level of significance
15	1	LECTURE -43	UNIT 3: level of significance
	1	LECTURE -44	UNIT 3: power of test, P value,
	1	LECTURE -45	UNIT 3: power of test, P value,
	1	TUTORIAL-15	UNIT 3: power of test, P value,
16	1	LECTURE -46	UNIT 3: power of test, P value,
	1	LECTURE -47	UNIT 3: power of test, P value,
	1	LECTURE -48	UNIT 3: statistical estimation of confidence intervals.
	1	TUTORIAL-16	UNIT 3: Null hypothesis, power of test, P value,
17	1	LECTURE -49	UNIT 3: Parametric data- students t test (paired and unpaired)
	1	LECTURE -50	UNIT 3: Parametric data- students t test (paired and unpaired)
	1	LECTURE -51	UNIT 3: Parametric data- students t test (paired and unpaired)
	1	TUTORIAL-17	UNIT 3: Parametric data- students t test (paired and unpaired)
18	1	LECTURE -52	UNIT 3: Parametric data- students t test (paired and unpaired)
	1	LECTURE -53	UNIT 3: chi Square test
	1	LECTURE -54	UNIT 3: chi Square test
	1	TUTORIAL-18	UNIT 3: chi Square test
19	1	LECTURE -55	UNIT 3: Analysis of Variance (one-way and two-way)
	1	LECTURE -56	UNIT 3: Analysis of Variance (one-way and two-way)
	1	LECTURE -57	UNIT 3: Analysis of Variance (one-way and two-way)
	1	TUTORIAL-19	UNIT 3: Analysis of Variance (one-way and two-way)
20	1	LECTURE -58	UNIT 3: Non-parametric data- Sign test
	1	LECTURE -59	UNIT 3: Non-parametric data- Sign test



21	1	LECTURE -60	UNIT 3: Wilcoxon's signed rank test
	1	TUTORIAL-20	UNIT 3: Wilcoxon's signed rank test
	1	LECTURE -61	UNIT 3: Wilcoxon's signed rank test
	1	LECTURE -62	UNIT 3: Wilcoxon's signed rank test
	1	LECTURE -63	UNIT 3: Wilcoxon rank sum test
	1	TUTORIAL-21	UNIT 3: Wilcoxon rank sum test
22	1	LECTURE -64	UNIT 3: Wilcoxon rank sum test
	1	LECTURE -65	UNIT 3: Mann Whitney U test
	1	LECTURE -66	UNIT 3: Mann Whitney U test
	1	TUTORIAL-22	UNIT 3: Mann Whitney U test
23	1	LECTURE -67	UNIT 3: Kruskal-Wallis test
	1	LECTURE -68	UNIT 3: Kruskal-Wallis test
	1	LECTURE -69	UNIT 3: Kruskal-Wallis test
	1	TUTORIAL-23	UNIT 3: Linear regression and correlation-
24	1	LECTURE -70	UNIT 3: Linear regression and correlation-
	1	LECTURE 71	UNIT 3: Linear regression and correlation-
	1	LECTURE -72	UNIT 3: Introduction to statistical software: SPSS, Epi Info, SAS
	1	TUTORIAL-24	UNIT 3: Introduction to statistical software: SPSS, Epi Info, SAS
II-MID TERM PREPARATION WEEK MID TERM WEEK MID TERM BREAK			
25	1	LECTURE -73	UNIT 4: Statistical methods in epidemiology
	1	LECTURE 74	UNIT 4: Incidence and prevalence
	1	LECTURE -75	UNIT 4: Incidence and prevalence
	1	TUTORIAL-25	UNIT 4: Incidence and prevalence
26	1	LECTURE -76	UNIT 4: Incidence and prevalence
	1	LECTURE -77	UNIT 4: relative risk, attributable risk
	1	LECTURE -78	UNIT 4: relative risk, attributable risk
	1	TUTORIAL-26	UNIT 4: relative risk, attributable risk
27	1	LECTURE -79	UNIT 4: relative risk, attributable risk
	1	LECTURE -80	UNIT 5: Computer applications in pharmacy
	1	LECTURE -81	UNIT 5: Computer System in Hospital Pharmacy
	1	TUTORIAL-27	UNIT 5: Patterns of Computer use in Hospital Pharmacy
28	1	LECTURE -82	UNIT 5: Patient record database management
	1	LECTURE -83	UNIT 5: Medication order entry
	1	LECTURE -84	UNIT 5: Drug labels and list
	1	TUTORIAL-28	UNIT 5: Intravenous solution and admixture
29	1	LECTURE -85	UNIT 5: patient medication profiles
	1	LECTURE -86	UNIT 5: Inventory control
	1	LECTURE -87	UNIT 5: Inventory control
	1	TUTORIAL-29	UNIT 5: Management report & Statistics.
30	1	LECTURE -88	UNIT 5: Computer In Community Pharmacy
	1	LECTURE -89	UNIT 5: Computer In Community Pharmacy
	1	LECTURE -90	UNIT 5: Computer In Community Pharmacy
	1	TUTORIAL-30	UNIT 5: Computer In Community Pharmacy
31	1	LECTURE -91	UNIT 5: Computer In Community Pharmacy
	1	LECTURE -92	UNIT 5: Computer In Community Pharmacy
	1	LECTURE -93	UNIT 5: Computer In Community Pharmacy
	1	TUTORIAL-31	UNIT 5: Drug Information Retrieval & Storage:


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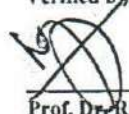
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32	1	LECTURE -94	UNIT 5: Drug Information Retrieval & Storage:
	1	LECTURE -95	UNIT 5: Drug Information Retrieval & Storage:
	1	LECTURE -96	UNIT 5: Drug Information Retrieval & Storage:
	1	TUTORIAL-32	UNIT 5: Drug Information Retrieval & Storage:
33	1	LECTURE -97	UNIT 5: Drug Information Retrieval & Storage:
	1	LECTURE -98	Revision of data
	1	LECTURE -99	Revision of study designs
	1	TUTORIAL-33	Revision of sample size
34	1	LECTURE -100	Revision of central tendency
	1	LECTURE -101	Revision of spread of data
	1	LECTURE -102	Revision of spread of data
	1	TUTORIAL-34	Revision of data graphics
35	1	LECTURE -103	Revision of basics of biostatistics
	1	LECTURE -104	Revision of parametric tests
	1	LECTURE -105	Revision of parametric tests
	1	TUTORIAL-35	Revision of Non-parametric tests
36	1	LECTURE -106	Revision of Non-parametric tests
	1	LECTURE -107	Revision of risk calculators
	1	LECTURE -108	Revision of computer use in hospital & Community Pharmacy
	1	TUTORIAL-36	Revision of information storage and retrieval
37	<b>REVISION WEEK</b>		
<b>III-MID TERM PREPARATION WEEK</b>			
<b>MID TERM WEEK</b>			
<b>MID TERM BREAK</b>			
<b>FINAL EXAM PREPARATION WEEK</b>			
<b>FINAL EXAM WEEK</b>			
<b>FINAL EXAM BREAK</b>			

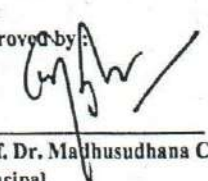
Prepared by :

  
Dr. Battula Pradeep  
Associate Professor  
Department of Pharmacy practice  
Subject Title: Biostatistics & Research  
Methodology (BSRM)  
Faculty : Faculty of Pharmacy  
Course Code : 17T00404  
Date :

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Department of Pharmaceutics  
Faculty of Pharmacy

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Principal  
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# Santhiram College of Pharmacy

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Lesson Plan-Theory

M.PHARM. IN INDUSTRIAL PHARMACY

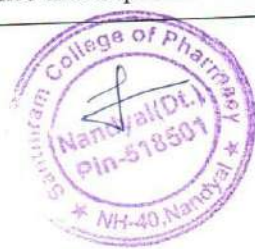
Sub: PHARMACEUTICAL INDUSTRIAL MANAGEMENT (21S08203)

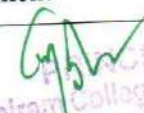
S.No	Week	No of Hrs	Topic	Reference
<b>UNIT-I</b>				
1	1	1	Human resource planning, job analysis and design, recruitment	R1
2		1	Personnel selection, orientation and placement	R2
3		1	Training and development, supervision	R5
4		1	Performance appraisal key result area	R2
5	2	1	Performance appraisal key result area	R5
6		1	key performance area remuneration and salaries	R3
7		1	Compensation and incentives, industrial relations, motivation.	R3
8		1	Compensation and incentives, industrial relations, motivation.	R2
<b>UNIT-II</b>				
9	3	1	Total quality management	R4
10		1	Organization and personnel	R1
11		1	responsibilities	R3
12		1	Training, hygiene Premises: Location, design, layout	R2
13	4	1	construction, maintenance, sanitations, environmental control	R4
14		1	sterile areas, control contamination	R1
15		1	Equipment's procedure and documentation for selection	R2
16		1	purchase, speciation, installation and maintenance	R5
17	5	1	purchase, speciation, installation and maintenance	R4



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18		1	Clean in place, sterilization in place	R5
<b>UNIT-III</b>				
19	5	1	Production organization, objectives and policies of good manufacturing practices	R1
20		1	Production organization, objectives and policies of good manufacturing practices	R1
21	6	1	layout of buildings, services, equipments and their maintenance,	R2
22		1	layout of buildings, services, equipments and their maintenance,	R2
23		1	materials management	R4
24		1	handling and transportation	R4
25	7	1	inventory management and control	R3
26		1	production planning and control, selection of vendors	R3
27		1	purchase cycle, sales forecasting, budget and cost control	R4
<b>UNIT-IV</b>				
28	7	1	General Principles of Validation	R1
29	8	1	General Principles of Validation	R1
30		1	Regulatory basis	R3
31		1	validation of pharmaceutical equipment and processes	R4
32		1	validation of pharmaceutical equipment and processes	R2
33	9	1	validation of pharmaceutical equipment and processes	R3
34		1	validation of analytical methods	R2
35		1	validation of analytical methods	R3
<b>UNIT-V</b>				
36	9	1	Chemical hazards, gas hazards	R1
37	10	1	fire and explosion hazards, safety management	R5



  
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38		1	Water pollution, water Pollution abatement and effluent treatment	R2
39		1	Air Pollution, air Pollution Control Devices	R1
40		1	Solid waste, Solid Waste Management	R5
41	11	1	Noise Pollution, Noise Abatement	R5
42		1	Effluent Analysis and Treatment-Methods	R1
43		1	Effluent Treatment in Formulation Plants	R1
45		1	Effluent Treatment in Synthetic Drugs Industry	R5
46	12	1	Effluent Treatment in Synthetic Drugs Industry	R5
47		1	Effluent Treatment in Fermentation Industry	R1
48		1	Effluent Treatment in Fermentation Industry	R5
49		1	Introduction of Echo Parmacovigilance	R5



  
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### **1.1.1**

# **Academic Reports Program wise**

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## I B. PHARM ACADEMIC REPORT 2022 - 2023

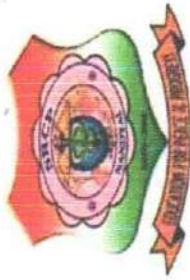
Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
1	Human Anatomy & Physiology	45	50	60	60	15	15
1	Pharmaceutical Analysis - I	45	46	60	60	15	15
1	Pharmaceutics-I	45	45	60	60	15	15
1	Pharmaceutical Inorganic Chemistry	45	48	60	60	15	15
1	Communication skills	30	33	30	30	-	-
1	Remedial Biology	30	0	30	0	-	-
1	Remedial Mathematics	30	33	0	0	-	-
2	Human Anatomy and Physiology - II	45	51	60	60	15	15
2	Pharmaceutical Organic Chemistry - I	45	46	60	60	15	15
2	Biochemistry	45	46	60	60	15	15
2	Pathophysiology	45	47	0	0	15	15
2	Computer Applications in Pharmacy	45	48	30	30	-	-
2	Environmental sciences	45	45	-	-	-	-



  
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## II B. PHARM ACADEMIC REPORT 2022 - 2023

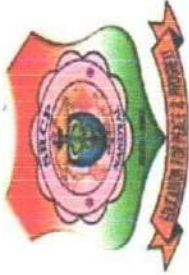
Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
3	Pharmaceutical Organic Chemistry II	45	48	60	60	15	15
3	Physical Pharmaceutics I	45	49	60	60	15	15
3	Pharmaceutical Microbiology	45	47	60	60	15	15
3	Pharmaceutical Engineering	45	49	60	60	15	15
4	Pharmaceutical Organic Chemistry - III	45	50	-	-	15	15
4	Medicinal Chemistry - I	45	50	60	60	15	15
4	Physical Pharmaceutics - II	45	48	60	60	15	15
4	Pharmacology - I	45	47	60	60	15	15
4	Pharmacognosy and Phytochemistry - I	45	47	60	60	15	15



  
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## III B. PHARM ACADEMIC REPORT 2022 - 2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
5	Medicinal Chemistry - II	45	46	-	-	15	15
5	Industrial Pharmacy - I	45	48	60	60	15	15
5	Pharmacology - II	45	48	60	60	15	15
5	Pharmacognosy and Phytochemistry - II	45	49	60	60	15	15
5	Pharmaceutical Jurisprudence	45	46	-	-	15	15
6	Medicinal Chemistry - III	45	47	60	60	15	15
6	Pharmacology - III	45	48	60	60	15	15
6	Herbal Drug Technology	45	50	60	60	15	15
6	Biopharmaceutics and Pharmacokinetics	45	51	-	-	15	15
6	Pharmaceutical Biotechnology	45	46	-	-	15	15
6	Quality Assurance	45	44	-	-	15	15



*[Signature]*  
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## IV B. PHARM ACADEMIC REPORT 2022 - 2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed Noof hours	No of hours Conducted	Prescribed Noof hours	No of hours Conducted	Prescribed Noof hours	No of hours Conducted
7	Instrumental Methods Of Analysis	45	45	60	60	15	15
7	Industrial Pharmacy - Ii	45	46	-	-	15	15
7	Pharmacy Practice	45	45	-	-	15	15
7	Novel Drug Delivery System	45	49	-	-	15	15
7	Practice School	-	-	180	180	-	-
8	Biostatistics & Research Methodology	45	44	-	-	15	15
8	Social & Preventive Medicine	45	46	-	-	15	15
8	Pharma Marketing Management	45	45	-	-	-	-
8	Pharmaceutical Regulatory Science	45	46	-	-	-	-
8	Pharmacovigilance	45	48	-	-	-	-
8	Quality Control & Standardization Of Herbals	45	48	-	-	-	-
8	Computer Aided Drug Design	45	50	-	-	-	-
8	Cell And Molecular Biology	45	48	-	-	-	-
8	Cosmetic Science	45	43	-	-	-	-
8	Experimental Pharmacology	45	45	-	-	-	-
8	Advanced Instrumentation Techniques	45	46	-	-	-	-
8	Dietary Supplements And Nutraceuticals	45	47	-	-	-	-
8	Project Work	-	-	180	180	-	-



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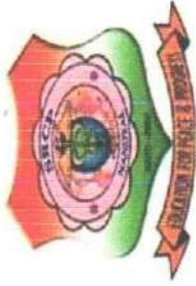
## I PHARM.D ACADEMIC REPORT 2022 – 2023

Name of the subject	Theory		Practicals		Tutorials	
	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
Human Anatomy & Physiology	75	86	75	75	25	25
Pharmaceutics	50	68	75	75	25	25
Medicinal Biochemistry	75	79	75	75	25	25
Pharmaceutical Organic Chemistry	75	82	75	75	25	25
Pharmaceutical Inorganic Chemistry	50	62	75	75	25	25
Remedial Mathematics	75	76	-	-	25	25
Remedial Biology	75	-	75	-	25	-



  
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# SANTHIRAM COLLEGE OF PHARMACY

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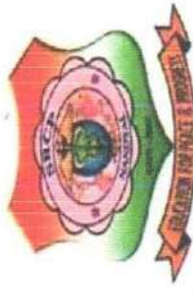
## II PHARM.D ACADEMIC REPORT 2022-2023

Name of the subject	Theory		Practicals		Tutorials	
	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
Pathophysiology	75	77	-	-	25	25
Pharmaceutical Microbiology	75	79	75	75	25	25
Pharmacognosy & Phytopharmaceuticals	75	85	75	75	25	25
Pharmacology-I	75	82	-	-	25	25
Community Pharmacy	50	59	-	-	25	25
Pharmacotherapeutics-I	75	82	75	75	25	25



  
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## III PHARM.D ACADEMIC REPORT 2022 - 2023

Name of the subject	Theory		Practicals		Tutorials	
	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
Pharmacology-II	75	83	75	75	25	25
Pharmaceutical Analysis	75	81	75	75	25	25
Pharmacotherapeutics-II	75	78	75	75	25	25
Pharmaceutical Jurisprudence	50	63	-	-	-	-
Medicinal Chemistry	75	80	75	75	25	25
Pharmaceutical Formulations	50	60	75	75	25	25



*(Handwritten Signature)*

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## IV PHARM.D ACADEMIC REPORT 2022 - 2023

Name of the subject	Theory		Practicals		Tutorials	
	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
Pharmacotherapeutics-III	75	83	75	75	25	25
Hospital Pharmacy	50	62	75	75	25	25
Clinical Pharmacy	75	81	75	75	25	25
Biostatistics & Research Methodology	50	65	-	-	25	25
Biopharmaceutics & Pharmacokinetics	75	85	75	75	25	25
Clinical Toxicology	50	66	-	-	25	25



  
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## V PHARM.D ACADEMIC REPORT 2022-2023

Name of the subject	Theory		Practicals		Tutorials	
	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
Clinical Research	75	89	-	-	25	25
Pharmacoepidemiology and Pharmacoeconomics	75	77	-	-	25	25
Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	50	61	-	-	25	25
Clerkship	-	-	-	-	25	25
Project work (Six Months)	-	-	500	500	-	-



  
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## I M. PHARM PHARMACEUTICS ACADEMIC REPORT 2022 - 2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
1	Modern Pharmaceutical Analytical Techniques	60	65	-	-	-	-
1	Drug Delivery System	60	66	-	-	-	-
1	Modern Pharmaceutics	60	60	-	-	-	-
1	Regulatory Affair	60	67	-	-	-	-
1	Pharmaceutics Practical - I	-	-	180	180	-	-
2	MolecularPharmaceutics(Nano Tech and Targeted DDS)	60	63	-	-	-	-
2	Advanced Biopharmaceutics & Pharmacokinetics	60	65	-	-	-	-
2	Computer Aided Drug Delivery System	60	60	-	-	-	-
2	Cosmetic and Cosmeceuticals	60	60	-	-	-	-
2	Pharmaceutics Practical II	-	-	-	-	180	-



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## II M.PHARM PHARMACEUTICS ACADEMIC REPORT 2022-2023

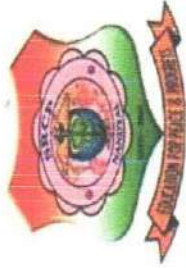
Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
3	Research Methodology and Biostatistics	60	65	-	-	-	-
3	Journal club	-	-	15	15	-	-
3	Discussion / Presentation (Proposal Presentation)	-	-	30	30	-	-
3	Research Work	-	-	420	420	-	-
4	Journal club	-	-	15	15	-	-
4	Research Work	-	-	465	465	-	-
4	Discussion / Presentation (Proposal Presentation)	-	-	30	30	-	-



  
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## IIM.PHARMPHARMACOLOGYACADEMICREPORT2022-2023

Semester	Nameofthesubject	Theory		Practicals		Tutorials	
		PrescribedNoof hours	Noofhours Conducted	PrescribedNoof hours	Noofhours Conducted	PrescribedNoof hours	Noofhours Conducted
3	ModernPharmaceutical Analytical Techniques	60	-	-	-	-	-
3	AdvancedPharmacology-I	60	-	-	-	-	-
3	Pharmacological and ToxicologicalScreening Methods-I	60	-	-	-	-	-
3	CellularandMolecular Pharmacology	60	-	-	-	-	-
3	PharmacologyPractical-I	-	-	180	-	-	-
4	AdvancedPharmacologyII	60	-	-	-	-	-
4	Pharmacological and ToxicologicalScreening Methods-II	60	-	-	-	-	-
4	PrinciplesofDrugDiscovery	60	-	-	-	-	-
4	ExperimentalPharmacology Practical -II	60	-	-	-	-	-
4	PharmacologyPractical-II	60	-	-	-	-	-



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## IM.PHARMPHARMACOLOGYACADEMICREPORT2022-2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted	Prescribed No of hours	No of hours Conducted
1	Modern Pharmaceutical Analytical Techniques	60	-	-	-	-	-
1	Advanced Pharmacology-I	60	-	-	-	-	-
1	Pharmacological and Toxicological Screening Methods-I	60	-	-	-	-	-
1	Cellular and Molecular Pharmacology	60	-	-	-	-	-
1	Pharmacology Practical-I	-	-	180	-	-	-
2	Advanced Pharmacology -II	60	-	-	-	-	-
2	Pharmacological and Toxicological Screening Method II	60	-	-	-	-	-
2	Principles of Drug Discovery	60	-	-	-	-	-
2	Experimental Pharmacology Practical -II	60	-	-	-	-	-
2	Pharmacology Practical-II	60	-	-	-	-	-



  
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## I. M. PHARM INDUSTRIAL PHARMACY ACADEMIC REPORT 2022 - 2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed Noof hours	No of hours Conducted	Prescribed Noof hours	No of hours Conducted	Prescribed Noof hours	No of hours Conducted
1	Modern Pharmaceutical Analytical Techniques	60	65	-	-	-	-
1	Pharmaceutical Formulation Development	60	65	-	-	-	-
1	Novel drug delivery systems	60	66	-	-	-	-
1	Intellectual Property Rights	60	66	-	-	-	-
1	Industrial Pharmacy Practical - I	-	-	180	180	-	-
2	Advanced Biopharmaceutics & Pharmacokinetics	60	63	-	-	-	-
2	Scale up & Technology Transfer	60	60	-	-	-	-
2	Pharmaceutical Production Technology	60	64	-	-	-	-
2	Entrepreneurship Management	60	65	-	-	-	-
2	Industrial Pharmacy Practical - II	-	-	180	180	-	-



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## IM.PHARMPHARMACEUTICALANALYSISACADEMICREPORT2022-2023

Semester	Nameofthesubject	Theory		Practicals		Tutorials	
		Prescribed Noofhours	Noofhours Conducted	Prescribed Noofhours	Noofhours Conducted	Prescribed Noofhours	Noofhours Conducted
1	ModernPharmaceutical AnalyticalTechniques	60	64	-	-	-	-
1	Advanced Pharmaceutical Analysis	60	60	-	-	-	-
1	Pharmaceutical Validation	60	65	-	-	-	-
1	FoodAnalysis	60	64	-	-	-	-
1	PharmaceuticalAnalysis Practical - I	-	-	180	180	-	-
2	AdvancedInstrumental Analysis	60	65	-	-	-	-
2	ModernBio-Analytical Techniques	60	65	-	-	-	-
2	QualityControland Quality Assurance	60	60	-	-	-	-
2	HerbalandCosmetic Analysis	60	61	-	-	-	-
2	PharmaceuticalAnalysis Practical - II	-	-	180	180	-	-



  
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## IIM.PHARMPHARMACEUTICALANALYSISACADEMICREPORT2022-2023

Semester	Name of the subject	Theory		Practicals		Tutorials	
		Prescribed No of hours	Noof hours Conducted	Prescribed No of hours	Noof hours Conducted	Prescribed No of hours	Noof hours Conducted
3	Modern Pharmaceutical Analytical Techniques	60	63	-	-	-	-
3	Advanced Pharmaceutical Analysis	60	62	-	-	-	-
3	Pharmaceutical Validation	60	63	-	-	-	-
3	Food Analysis	60	65	-	-	-	-
3	Pharmaceutical Analysis Practical - I	-	-	180	180	-	-
4	Advanced Instrumental Analysis	60	61	-	-	-	-
4	Modern Bio-Analytical Techniques	60	63	-	-	-	-
4	Quality Control and Quality Assurance	60	63	-	-	-	-
4	Herbal and Cosmetic Analysis	60	64	-	-	-	-
4	Pharmaceutical Analysis Practical - II	-	-	180	180	-	-



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**1.1.1**

# **Attendance Registers**



SANTHIRAM COLLEGE OF PHARMACY  
NANDYAL, ANDHRA PRADESH, INDIA

B PHARM : I YEAR

SUB : HUMAN ANATOMY & PHYSIOLOGY

AY : 2022 - 2023

# SANTHIRAM COLLEGE OF PHARMACY



**NANDYAL - 518 501.**

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

## STUDENT ATTENDANCE REGISTER

### Academic Calender 2022-2023

	Mid I	Mid II	Mid III	THU	End Lab Exams	End Theory Exams
<b>Dates</b>	10/3/22	5/6/23			7/6/23	12/6/23
	11/3/22	06/6/23			10/6/23	17/6/23

### STAFF TIME TABLE

Day/Time	09.30 - 10.30	10.30 - 11.30	11.40 - 12.40	B R E A K	01.40 - 02.40	02.40 - 03.40	03.50 - 04.50	
Mon	HAP							HAP
Tue			HAP					
Wed		HAP						
Thu	lab - batch - A							
Fri	lab - batch - B							
Sat		HAP						



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**BP101T. HUMAN ANATOMY AND PHYSIOLOGY-I (Theory)****45 Hours**

**Scope:** This subject is designed to impart fundame-tal knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

**Objectives:** Upon completion of this course the student should be able to

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the various experiments related to special senses and nervous system.
5. Appreciate coordinated working pattern of different organs of each system

**Course Content:****Unit I****10 hours**

- **Introduction to human body**  
Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology.
- **Cellular level of organization**  
Structure and functions of cell, transport across cell membrane, cell division, cell junctions. General principles of cell communication, intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling: a) Contact-dependent b) Paracrine c) Synaptic d) Endocrine
- **Tissue level of organization**  
Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.

**Unit II****10 hours**

- **Integumentary system**  
Structure and functions of skin
- **Skeletal system**  
Divisions of skeletal system, types of bone, salient features and functions of bones of axial and appendicular skeletal system  
Organization of skeletal muscle, physiology of muscle contraction, neuromuscular junction

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- **Joints**  
Structural and functional classification, types of joints movements and its articulation

**Unit III****10 hours**

- **Body fluids and blood**  
Body fluids, composition and functions of blood, haemopoiesis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of blood, Reticulo endothelial system.
- **Lymphatic system**  
Lymphatic organs and tissues, lymphatic vessels, lymph circulation and functions of lymphatic system

**Unit IV****08 hours**

- **Peripheral nervous system:**  
Classification of peripheral nervous system: Structure and functions of sympathetic and parasympathetic nervous system.  
Origin and functions of spinal and cranial nerves.
- **Special senses**  
Structure and functions of eye, ear, nose and tongue and their disorders.

**Unit V****07 hours**

- **Cardiovascular system**  
Heart – anatomy of heart, blood circulation, blood vessels, structure and functions of artery, vein and capillaries, elements of conduction system of heart and heart beat, its regulation by autonomic nervous system, cardiac output, cardiac cycle. Regulation of blood pressure, pulse, electrocardiogram and disorders of heart.

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**BP107P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)****4 Hours/week**

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. Study of compound microscope.
2. Microscopic study of epithelial and connective tissue
3. Microscopic study of muscular and nervous tissue
4. Identification of axial bones
5. Identification of appendicular bones
6. Introduction to hemocytometry
7. Enumeration of white blood cell (WBC) count
8. Enumeration of total red blood corpuscles (RBC) count
9. Determination of bleeding time
10. Determination of clotting time
11. Estimation of hemoglobin content
12. Determination of blood group.
13. Determination of erythrocyte sedimentation rate (ESR).
14. Determination of heart rate and pulse rate.
15. Recording of blood pressure.

**Recommended Books (Latest Editions)**

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and illness by Kathleen J.W. Wilson, Churchill Livingstone, New York.
3. Physiological basis of Medical Practice-Best and Taylor. Williams & Wilkins Co.,Riverview,MI USA
4. Text book of Medical Physiology- Arthur C.Guyton and John.E. Hall. Miamisburg, OH, U.S.A.
5. Principles of Anatomy and Physiology by Tortora Grabowski. Palmetto, GA, U.S.A.

6. Textbook of Human Histology by Inderbir Singh, Jaypee brother's medical publishers, New Delhi.
7. Textbook of Practical Physiology by C.L. Ghai. Jaypee brother's medical publishers, New Delhi.
8. Practical workbook of Human Physiology by K. Srinageswari and Rajeev Sharma, Jaypee brother's medical publishers, New Delhi.

**Reference Books (Latest Editions)**

1. Physiological basis of Medical Practice-Best and Taylor. Williams & Wilkins Co, Riverview, MI USA
2. Text book of Medical Physiology- Arthur C. Guyton and John E. Hall. Miamisburg, OH, U.S.A.
3. Human Physiology (vol I and 2) by Dr. C.C. Chatterje Academic Publishers Kolkata

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU**

**ACADEMIC CALENDAR 2022-23**

**B.Pharm I Year - I & II Semester**  
(for 2022 admitted batch)

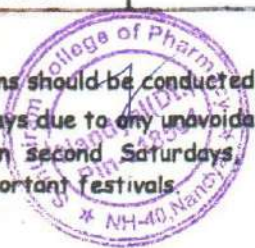
I Semester		
Induction Program (zero semester)	28.12.2022 to 12.01.2023	(03 weeks)
I Spell of Instructions:	13.01.2023 to 09.03.2023	(8 weeks)
I Mid-term Examinations: (1 <sup>st</sup> Objective + 1 <sup>st</sup> descriptive)	10.03.2023 to 11.03.2023	(02 Days)
II Spell of Instructions:	13.03.2023 to 29.04.2023	(7 weeks)
Summer Vacation	30.04.2023 to 28.05.2023	(4 Weeks)
II Spell of Instructions (Continued):	29.05.2023 to 03.06.2023	(01 week)
II Mid-term Examinations: (2 <sup>nd</sup> Objective + 2 <sup>nd</sup> descriptive)	05.06.2023 to 06.06.2023	(02 Days)
End laboratory Examinations:	07.06.2023 to 10.06.2023	(04 Days)
End Theory Examinations:	12.06.2023 to 17.06.2023	(01 week)
Commencement of Class Work for I Year B.Pharm II semester	19.06.2023	
Declaration of results for I-I	07.07.2023	

II Semester		
I Spell of Instructions:	19.06.2023 to 11.08.2023	(8 weeks)
I Mid-term Examinations: (1 <sup>st</sup> Objective + 1 <sup>st</sup> descriptive)	12.08.2023 to 14.08.2023	(02 Days)
II Spell of Instructions	16.08.2023 to 07.10.2023	(8 weeks)
II Mid-term Examinations: (2 <sup>nd</sup> Objective + 2 <sup>nd</sup> descriptive)	09.10.2023 to 10.10.2023	(02 Days)
End laboratory Examinations:	11.10.2023 to 14.10.2023	(04 Days)
End Theory Examinations:	16.10.2023 to 21.10.2023	(01 week)
Commencement of Class Work for II Year B.Pharm I semester	23.10.2023	
Declaration of results for I-II	13.11.2023	


**Note:**

- The Mid-term Examinations should be conducted and completed as per the schedule given.
- For slippage of working days due to any unavoidable reasons, compensation can be made by conducting class work on second Saturdays, Sundays and other holidays, except on National Holidays and important festivals.

Date: 28.12.2022



Digitally signed by KESHAVA REDDY  
DIRECTOR OF EVALUATION

  
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# Lesson Plan

Branch : B. Pharmacy

Year & Semester : I / I

Name of the Faculty : S. Paaveen

Department : Pharmacology

Subject Name : Human Anatomy & Physiology - I

Subject Code : BP101

Text / or Reference Books (s)

1. Essentials of medical physiology by K. Sembulingam.
2. Anatomy & physiology in health & illness by J.W. Wilson
3. Physiological basis of medical practice by Taylor.
4. Principles of Anatomy & physiology by Tortora.
5. Text book of medical physiology - Arthur, C. Guyton.

Unit / Item No.	Topics (s)	Book Reference	Page Number		Proposed No. of Periods
			From	To	
I	Introduction to human body - definition & scope of anatomy, physiology, cellular level of organization, tissue level of organization	1, 4	21	31	10W
II	Integumentary system, Skeletal system, physiology of muscle contraction, types of movements & joints	1, 4, 3	191	214	10W
III	Body fluids & blood: significance - cause & disorders of blood, lymphatic system - organs & tissues.	1, 4	133	142	10W
IV	Peripheral N.C. structures, function of brain & spinal cord.	1, 2, 4	143	190	8W
V	cardiovascular system - cardiac cycle, disorders of heart	1, 3, 5	81	132	7W

Signature

With Date : 11/1/23

S. Paaveen  
Faculty Member

Principal  
Santhiram College of Pharmacy  
HOD NH-40, Nandyal-518501

# LECTURE RECORD


Subject : Human Anatomy & Physiology - I Duration of each exam (Mid) : 1.5 hrs

Credits : ..... Max. Marks : 75

No. of Internal Exams (Mids) : 2

S.No.	Date	Topic Covered / Exercise Completed	Remarks
1	19/1/23	Introduction & scope of anatomy & physiology	✓
2	21/1/23	levels of structural organization & body system	✓
3	23/1/23	basic life processes	✓
4	23/1/23	homeostasis - positive & negative	✓
5	23/1/23	terminology in physiology	✓
6	24/1/23	structures - function of cell	✓
7	25/1/23	cell transportation	✓
8	27/1/23	cell cycle & cell division & cell junctions	✓
9	28/1/23	General principles of cell communication	✓
10	30/1/23	Intracellular signaling pathway	✓
11	30/1/23	extracellular signal molecules	✓
12	30/1/23	Contact dependent	✓
13	31/1/23	Paracrine, synaptic & Endocrine	✓
14	1/2/23	classification of tissues & structures	✓
15	4/2/23	location & function of tissues	✓
16	6/2/23	Introduction of Integumentary system	✓
17	6/2/23	structures - function of skin	✓
18	6/2/23	divisions of skeletal system	✓
19	7/2/23	types of bones & functional bones	✓
20	8/2/23	axial skeletal system	✓
21	13/2/23	appendicular skeletal system	✓
22	13/2/23	organization of skeletal muscle	✓
23	13/2/23	physiology of muscle contraction	✓
24	14/2/23	neuromuscular junction	✓
25	15/2/23	types of joint & nerve impulse	✓
26	20/2/23	Body fluids composition & functions	✓
27	20/2/23	homeostasis - formation of hemoglobin	✓



  
**PRINCIPAL**  
 Santhiram College of Pharmacy  
 NH-40, Nandyal-518501, A.R.



# SANTHIRAM COLLEGE OF PHARMACY

## STUDENT ATTENDANCE REGISTER

Class : I/I  
Course : B.Pharm

# PHARMACY, NANDYAL REGISTER

AY Form... 2022 To 2023 Faculty: S. Parvathi  
Dept.: Pharmacology

Sl. No.	Roll No.	Name of the Student	Theory												Theory Marks			Lab Marks			Averaged Internal Marks										
			Date	1	2	3	4	5	6	7	8	9	10	11	12	Mid I	Mid II	Mid III	Lab I	Lab II		Lab III									
1.	22H110001	Mannan Sujana Raju	17/12	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
2.	53	Micki Sai Dhanthi		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
3.	58	Minuqa Babu		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
4.	59	Mochikoba Prano Nikh		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
5.	60	Mougal Muberra Israr		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
6.	61	Mulla Aysha Farheen		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
7.	62	Nalikka Vasala		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
8.	63	Neravath Manoj Kumar		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
9.	64	Obulampalle Naveen Kumar		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
10.	65	Pabbathi Divya Anjel		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
11.	66	Pachra gulla Varunth Prasad		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
12.	67	Pandugavala Suthi		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
13.	68	Pankajala Madhu Suresh		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
14.	69	Prasanna Sai Jabnansi		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
15.	70	Rathan Saifulla Alam		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
16.	71	Rathil Pallavi		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
17.	72	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
18.	73	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
19.	74	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
20.	75	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
21.	76	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
22.	77	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
23.	78	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
24.	79	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
25.	80	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
26.	81	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
27.	82	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11
28.	83	Reddychinnabhi Akhila		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	18	19	11	19	11



PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.



# SANTHIRAM COLLEGE OF PHARMACY

## STUDENT ATTENDANCE REGISTER

Class : I/I  
Course : B. Pharmacy

Sl. No.	Roll No.	Name of the Student	Date
1.	22HCL10056	Manna Sijana Priya	19/10/23
2.	57	Middle Sai Deepthi	20/10/23
3.	58	Minuqa Raju	21/10/23
4.	59	Mudreksa Pragna Nithi	22/10/23
5.	60	Mougal Mubama Kumar	23/10/23
6.	61	Mulla Avesta Farheen	24/10/23
7.	62	Naktha Varsha	25/10/23
8.	63	Narasairi Manoj Kumar	26/10/23
9.	64	Nobulampalle Naveen Kumar	27/10/23
10.	65	Pabbathi Divya Anjali	28/10/23
11.	66	Panchagula Venkatesh Kumar	29/10/23
12.	67	Pandugayala Suvithi	30/10/23
13.	68	Pankaj Madhu Sagar	31/10/23
14.	69	Pasupula Sai Jagan Mohan	01/11/23
15.	70	Pattam Saifulla Ailana	02/11/23
16.	71	Patil Pallavi	03/11/23
17.	72	Paddachannimathy Akhila	04/11/23
18.	73	Pachayammula Ushara	05/11/23
19.	74	Pavajuvu Jabbari	06/11/23
20.	75	Pirapogu Mahima Kumar	07/11/23
21.	76	Prasanna Jagan Mohan	08/11/23
22.	77	Priyanka Krishna Vani	09/11/23
23.	78	Priyanka Krishna Vani	10/11/23
24.	79	Prasanna Jagan Mohan	11/11/23
25.	80	Prasanna Jagan Mohan	12/11/23
26.	81	Prasanna Jagan Mohan	13/11/23
27.	82	Prasanna Jagan Mohan	14/11/23
28.	83	Prasanna Jagan Mohan	15/11/23



*[Handwritten Signature]*

Santhiram College of Pharmacy  
Nandyal (Dt.), Pin-518501, A.P.

# PHARMACY, NANDYAL REGISTER

AY Form... 2022 To: 2023 Faculty: S. Praveen  
Dept.: Pharmacology

Theory	Theory Marks			Lab Marks			Awarded Internal Marks				
	Mid I	Mid II	Mid III	I	II	III					
37	38	39	40	41	42	43	44	45	46	47	48
35	36	37	38	39	40	41	42	43	44	45	46
A	A	A	A	A	A	A	A	A	A	A	A
33	34	35	36	37	38	39	40	41	42	43	44
A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A
35	36	37	38	39	40	41	42	43	44	45	46
37	38	39	40	41	42	43	44	45	46	47	48
A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A
33	34	35	36	37	38	39	40	41	42	43	44
37	38	39	40	41	42	43	44	45	46	47	48
39	40	41	42	43	44	45	46	47	48	49	50
41	42	43	44	45	46	47	48	49	50	51	52
43	44	45	46	47	48	49	50	51	52	53	54
45	46	47	48	49	50	51	52	53	54	55	56
47	48	49	50	51	52	53	54	55	56	57	58
49	50	51	52	53	54	55	56	57	58	59	60
51	52	53	54	55	56	57	58	59	60	61	62
53	54	55	56	57	58	59	60	61	62	63	64
55	56	57	58	59	60	61	62	63	64	65	66
57	58	59	60	61	62	63	64	65	66	67	68
59	60	61	62	63	64	65	66	67	68	69	70
61	62	63	64	65	66	67	68	69	70	71	72
63	64	65	66	67	68	69	70	71	72	73	74
65	66	67	68	69	70	71	72	73	74	75	76
67	68	69	70	71	72	73	74	75	76	77	78
69	70	71	72	73	74	75	76	77	78	79	80
71	72	73	74	75	76	77	78	79	80	81	82
73	74	75	76	77	78	79	80	81	82	83	84
75	76	77	78	79	80	81	82	83	84	85	86
77	78	79	80	81	82	83	84	85	86	87	88
79	80	81	82	83	84	85	86	87	88	89	90
81	82	83	84	85	86	87	88	89	90	91	92
83	84	85	86	87	88	89	90	91	92	93	94
85	86	87	88	89	90	91	92	93	94	95	96
87	88	89	90	91	92	93	94	95	96	97	98
89	90	91	92	93	94	95	96	97	98	99	100

















SANTHIRAM COLLEGE OF PHARMACY  
NANDYAL, ANDHRA PRADESH, INDIA

PHARM D : III YEAR

SUB : PHARMACEUTICAL FORMULATIONS

AY: 2022 - 2023



# SANTHIRAM COLLEGE OF PHARMACY



**NANDYAL - 518 501.**

*Affiliated to JNTUA, Ananthapuramu, Approved by PCI & AICTE  
New Delhi.*

## STUDENT ATTENDANCE REGISTER

*Academic Calender 2022-2023*

	Mid I	Mid II	Mid III	THU	End Lab Exams	End Theory Exams
Dates	17-3-23					

## STAFF TIME TABLE

Day/Time	09.30 - 10.30	10.30 - 11.30	11.40 - 12.40	B R E A K	01.40 - 02.40	02.40 - 03.40	03.50 - 04.50	
Mon	-	-	-		-	-	-	P. For 17
Tue	-	-	-		P. For 17 Lab	P. For 17-Lab	P. For 17-253	
Wed	-	-	-		P. For 17	-	-	
Thu	-	-	-		-	P. For 17	-	
Fri	-	-	-		-	-	-	
Sat	-	-	-		-	P. For 17	-	



Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

# Lesson Plan

Branch : Pharm.D  
 Name of the Faculty : Dr. RE.UGANDHAR  
 Subject Name : Pharmaceutical Formulations

Year & Semester : 3<sup>rd</sup> / 4<sup>th</sup>  
 Department :  
 Subject Code : 17101

**Text / or Reference Books (s)**

1. Tutorial pharmacy cooper & Gun
2. Remingtons pharmaceutical Sciences
3. USP|BP|EP
- 4.
- 5.

Unit / Item No.	Topics (s)	Book Reference	Page Number		Propose No. of Periods
			From	To	
1	Pharmaceutical dosage form - concept & classification Tablets &c	Remingtons pharmaceutical Sciences USP BP EP			
2	Capsules	Remingtons pharmaceutical Sciences USP BP EP			
3	Liquid orals, parenterals	Remingtons pharmaceutical Sciences USP BP EP			
4	Ophthalmic preparations	Remingtons pharmaceutical Sciences USP BP EP			
5	Defination & concept of Drug Delivaiy system	Remingtons pharmaceutical Sciences USP BP EP			

Signature \_\_\_\_\_

With Date :

Faculty Member



Santhiram College of Pharmacy  
 Nandyal (D.)  
 Pin-515501, NH-40, Nandyal

# LECTURE RECORD

Subject : pharmaceutical formulations

Duration of each exam (Mid) : ..... 1.0 .....

Credits : 3

Max. Marks : ..... 30 .....

No. of Internal Exams (Mids) : 3

S.No.	Date	Topic Covered / Exercise Completed	Remarks
1.	2/4/22	Defination & concept of controlled drug delivery	
	3/4/22	Systems & available examples	
2.	5/4/22	Tablets, types of tablets, granulation <sup>ques</sup> technique	
	9/4/22	"	
	10/4/22	"	
	12/4/22	"	
	16/4/22	Concept of controlled & drug delivery system	
	17/4/22	"	
	19/4/22	"	
	23/4/22	"	
	24/4/22	"	
	26/4/22	parenteral drug delivery system	
	30/4/22	"	
	1/5/22	"	
	3/5/22	transdermal, buccal "	
	7/5/22	"	
	8/5/22	"	
	14/5/22	"	
	15/5/22	Implants	
	17/5/22	Rectal, nasal	
	21/5/22	"	
	22/5/22	Ocular drug delivery system	
	24/5/22	"	
	28/5/22	"	
	29/5/22	Quality control & evaluation of tablets	
	31/5/22	"	
	2/6/22		







# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

## REGISTRATION REGISTER

Class : 3<sup>rd</sup> Yr  
Course : Pharm.D

AY Form.....To..... Faculty.....  
Dept.....

Sl. No.	Roll No.	Name of the Student	Date
1	2018110001	A. Sandeep Reddy	
2	2018110002	A. Akshaya	
3	2018110003	D. Anish Babu	
4	2018110004	D. Veena Bharathi	
5	2018110005	G. Surendra	
6	2018110006	G. Venkata Lohesh	
7	2018110007	G. Supriya	
8	2018110008	K. Jayya	
9	2018110009	K. Sharanaya	
10	2018110010	K. Deepika	
11	2018110011	K. Hasi Krishna Naidu	
12	2018110012	K. Annavathi	
13	2018110013	LN Pavan kalyan	
14	2018110014	M. Chitti	
15	2018110015	M. Lohesh Srinu	
16	2018110016	M. Vinetha	
17	2018110017	MP. Poorna	
18	2018110018	M. Eshwara Bai	
19	2018110019	M.N. Rohith Reddy	
20	2018110020	P. Shanithi priya	
21	2018110021	P. Durga	
22	2018110022	S. Bhavya Sai	
23	2018110023	S. Jyothimala	
24	2018110024	S.C. Fateeba	
25	2018110025	S.O. Masood	
26	2018110026	S. Rukhaya Anbarasu	
27	2018110027	S. Penufa	
28	2018110028	Taru Virey Gurus	
29	2018110029	V. Abhinava Reddy	
30	2018110030	V. Kitarani	

Sl. No.	Theory										Lab Marks			Averaged Internal Marks											
	24	25	26	27	28	29	30	31	32	33	34	35	36		37	38	39	40	41	42	43	44	45	46	47
1	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
2	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
3	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
4	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
5	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
6	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
7	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
8	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
9	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
10	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
11	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
12	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
13	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
14	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
15	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
16	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
17	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
18	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
19	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
20	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
21	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
22	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
24	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
25	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
26	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
27	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
28	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
29	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
30	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
31	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48



*[Handwritten Signature]*



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

## REGISTER

Class : 3<sup>rd</sup> / 1<sup>st</sup>  
Course : Pharm.D

AY Form. To Faculty Dept.

Sl. No.	Roll No.	Name of the Student	Date:
1	2018CT0001	A. Sandeep Reddy	
2	2018CT0002	A. Akshaya	
3	2018CT0003	D. Harish Babu	
4	2018CT0004	D. Veera Bhadra	
5	2018CT0005	S. Surendra	
6	2018CT0006	G. Venkata Laksh	
7	2018CT0007	S. Supriya	
8	2018CT0008	F. Kavaya	
9	2018CT0009	K. Shanmuga	
10	2018CT0010	K. Deepika	
11	2018CT0011	K. Harish Krishna Nair	
12	2018CT0012	K. Hemavathi	
13	2018CT0013	LN Pavan kalyan	
14	2018CT0014	M. Chitti	
15	2018CT0015	M. Letcha Sreya	
16	2018CT0016	M. Vinodha	
17	2018CT0017	MP Pooja	
18	2018CT0018	M. Karcha Bai	
19	2018CT0019	M.N. Rohith Reddy	
20	2018CT0020	P. Shanthe Priya	
21	2018CT0021	P. Durga	
22	2018CT0022	S. Bhavya Sai	
23	2018CT0023	S. Jyothimala	
24	2018CT0024	S.C. Faneetha	
25	2018CT0025	S.O. Masood	
26	2018CT0026	S. Pukhaya Anbaraj	
27	2018CT0027	S. Penuka	
28	2018CT0028	T.INDU VINAY SUTUBU	
29	2018CT0029	V. Abhinava Prathy	
30	2018CT0030	V. Kishanmai	

Sl. No.	Roll No.	Name	Theory Marks										Lab Marks			Awardee Internal Marks								
			Mid I	Mid II	Mid III	Obj	Sub	Tot	Obj	Sub	Tot	I	II	III	Th		Lab							
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	
A	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
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25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
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25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
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25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
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25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
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25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
25	26	27	28	29	30	31	32	33	34	35	36	37												



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

## REGISTER

Class : 3<sup>rd</sup> / 13  
 Course : Pharm.D

AY Form.....To.....Faculty.....  
 Dept.....

Sl. No.	Roll No.	Name of the Student	Date:
1	20HCT0001	A. Sandeep Reddy	
2	20HCT0002	A. Akshaya	
3	20HCT0003	D. Harish Babu	
4	20HCT0004	D. Veera Bhadra	
5	20HCT0005	G. Suresh a	
6	20HCT0006	G. Venkata lobesh	
7	20HCT0007	G. Supriya	
8	20HCT0008	K. Jayya	
9	20HCT0009	K. Sharanya	
10	20HCT0010	K. Deepika	
11	20HCT0011	K. Hemavathi	
12	20HCT0012	K. Harikrishna Nair	
13	20HCT0013	K. Hemavathi	
14	20HCT0014	L.N. Pavan kalyan	
15	20HCT0015	M. Omithi	
16	20HCT0016	M. lathara Sriya	
17	20HCT0017	M. Vireetha	
18	20HCT0018	M.P. Pooja	
19	20HCT0019	M. Kyesha Bai	
20	20HCT0020	M.N. Rohith Reddy	
21	20HCT0021	P. Shanthi priya	
22	20HCT0022	P. Durga	
23	20HCT0023	S. Bhavya Sai	
24	20HCT0024	S. Jyothimala	
25	20HCT0025	S.C. Fateeba	
26	20HCT0026	S.O. Macood	
27	20HCT0027	S. Rukhpa Shobana	
28	20HCT0028	S. Penuka	
29	20HCT0029	Tarun Vinay Gutubolu	
30	20HCT0030	V. Akhendra Reddy	
31	20HCT0031	V. Keerthana	

Theory	Year										
	73	74	75	76	77	78	79	80	81	82	83
1	73	74	75	76	77	78	79	80	81	82	83
2	73	74	75	76	77	78	79	80	81	82	83
3	73	74	75	76	77	78	79	80	81	82	83
4	73	74	75	76	77	78	79	80	81	82	83
5	73	74	75	76	77	78	79	80	81	82	83
6	73	74	75	76	77	78	79	80	81	82	83
7	73	74	75	76	77	78	79	80	81	82	83
8	73	74	75	76	77	78	79	80	81	82	83
9	73	74	75	76	77	78	79	80	81	82	83
10	73	74	75	76	77	78	79	80	81	82	83
11	73	74	75	76	77	78	79	80	81	82	83
12	73	74	75	76	77	78	79	80	81	82	83
13	73	74	75	76	77	78	79	80	81	82	83
14	73	74	75	76	77	78	79	80	81	82	83
15	73	74	75	76	77	78	79	80	81	82	83
16	73	74	75	76	77	78	79	80	81	82	83
17	73	74	75	76	77	78	79	80	81	82	83
18	73	74	75	76	77	78	79	80	81	82	83
19	73	74	75	76	77	78	79	80	81	82	83
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21	73	74	75	76	77	78	79	80	81	82	83
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25	73	74	75	76	77	78	79	80	81	82	83
26	73	74	75	76	77	78	79	80	81	82	83
27	73	74	75	76	77	78	79	80	81	82	83
28	73	74	75	76	77	78	79	80	81	82	83
29	73	74	75	76	77	78	79	80	81	82	83
30	73	74	75	76	77	78	79	80	81	82	83

Mid I	Mid II			Mid III			Lab Marks	Average Marks				
	Obj	Sub	Tot	Obj	Sub	Tot			I	II	III	Tn
26	27	28	29	30	31	32	33	34	35	36	37	38
33	34	35	36	37	38	39	40	41	42	43	44	45
35	36	37	38	39	40	41	42	43	44	45	46	47
36	37	38	39	40	41	42	43	44	45	46	47	48
35	36	37	38	39	40	41	42	43	44	45	46	47
36	37	38	39	40	41	42	43	44	45	46	47	48
37	38	39	40	41	42	43	44	45	46	47	48	49
38	39	40	41	42	43	44	45	46	47	48	49	50
39	40	41	42	43	44	45	46	47	48	49	50	51
40	41	42	43	44	45	46	47	48	49	50	51	52
41	42	43	44	45	46	47	48	49	50	51	52	53
42	43	44	45	46	47	48	49	50	51	52	53	54
43	44	45	46	47	48	49	50	51	52	53	54	55
44	45	46	47	48	49	50	51	52	53	54	55	56
45	46	47	48	49	50	51	52	53	54	55	56	57
46	47	48	49	50	51	52	53	54	55	56	57	58
47	48	49	50	51	52	53	54	55	56	57	58	59
48	49	50	51	52	53	54	55	56	57	58	59	60
49	50	51	52	53	54	55	56	57	58	59	60	61
50	51	52	53	54	55	56	57	58	59	60	61	62
51	52	53	54	55	56	57	58	59	60	61	62	63
52	53	54	55	56	57	58	59	60	61	62	63	64
53	54	55	56	57	58	59	60	61	62	63	64	65
54	55	56	57	58	59	60	61	62	63	64	65	66
55	56	57	58	59	60	61	62	63	64	65	66	67
56	57	58	59	60	61	62	63	64	65	66	67	68
57	58	59	60	61	62	63	64	65	66	67	68	69
58	59	60	61	62	63	64	65	66	67	68	69	70
59	60	61	62	63	64	65	66	67	68	69	70	71
60	61	62	63	64	65	66	67	68	69	70	71	72
61	62	63	64	65	66	67	68	69	70	71	72	73
62	63	64	65	66	67	68	69	70	71	72	73	74
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64	65	66	67	68	69	70	71	72	73	74	75	76
65	66	67	68	69	70	71	72	73	74	75	76	77
66	67	68	69	70	71	72	73	74	75	76	77	78
67	68	69	70	71	72	73	74	75	76	77	78	79
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69	70	71	72	73	74	75	76	77	78	79	80	81
70	71	72	73	74	75	76	77	78	79	80	81	82
71	72	73	74	75	76	77	78	79	80	81	82	83
72	73	74	75	76	77	78	79	80	81	82	83	84
73	74	75	76	77	78	79	80	81	82	83	84	85
74	75	76	77	78	79	80	81	82	83	84	85	86
75	76	77	78	79	80	81	82	83	84	85	86	87
76	77	78	79	80	81	82	83	84	85	86	87	88
77	78	79	80	81	82	83	84	85	86	87	88	89
78	79	80	81	82	83	84	85	86	87	88	89	90
79	80	81	82	83	84	85	86	87	88	89	90	91
80	81	82	83	84	85	86	87	88	89	90	91	92
81	82	83	84	85	86	87	88	89	90	91	92	93
82	83	84	85	86	87	88	89	90	91	92	93	94
83	84	85	86	87	88	89	90	91	92	93	94	95
84	85	86	87	88	89	90	91	92	93	94	95	96



**PRINCIPAL**  
 Santthiram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

## REGISTER

Class : 3<sup>rd</sup> / 1<sup>st</sup>  
Course : Pharm. D

AY Form: ..... To: ..... Faculty: .....  
Sub & Code: ..... Dept: .....

Sl. No.	Roll No.	Name of the Student	Date
1	201810001	A. Sandeep Reddy	
2	201810002	A. Akshaya	
3	201810003	D. Harish Babu	
4	201810004	D. Veera Bhadra	
5	201810005	G. Surendra	
6	201810007	G. Venkata loresh	
7	201810008	G. Supriya	
8	201810009	K. Tanuja	
9	201810010	K. Shanmuga	
10	201810011	K. Deepika	
11	201810012	K. Harish Krishna Mal	
12	201810013	K. Hemavathi	
13	201810014	L.N. Pavan kalyan	
14	201810015	M. Akhila	
15	201810016	M. Lakshmi Sreya	
16	201810017	M. Vireena	
17	201810018	M.P. Poornima	
18	201810019	M. Eshwari	
19	201810020	M.N. Pooja Reddy	
20	201810021	P. Shanmugapriya	
21	201810022	P. Durga	
22	201810023	S. Bhavya Sai	
23	201810024	S. Jyothirmal	
24	201810025	S.C. Fareeba	
25	201810026	S.O. Masood	
26	201810027	S. Pooja Anshu	
27	201810028	S. Peneka	
28	201810029	Tarun Vijay Gurusu	
29	201810030	V. Akshaya Reddy	
30	201810031	V. Kiranmai	



PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

Lab	LAB											Theory Marks			Awarded Internal Marks			
	1	2	3	4	5	6	7	8	9	10	11	Mid I	Mid II	Mid III	Lab	Th	Lab	
1	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
3	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
4	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
5	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
6	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
7	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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12	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
13	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
14	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
15	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
16	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
17	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
18	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
19	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
20	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
21	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
22	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
23	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
24	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
25	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
26	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
27	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
28	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
30	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
31	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28





# SANTHIRAM COLLEGE OF STUDENT ATTENDANCE



Class :  
Course :

Sl. No.	Roll No.	Name of the Student	Date :
01	20HC17001	A. Sandeep Reddy	
02	6L	A. Akshaya	
03	04	D. Harish Babu	
04	05	D. Veera Bhadra	
05	06	G. Surendra	
06	07	G. Venkatesh lokesh	
07	08	G. Supriya	
08	09	K. Kavya	
09	10	K. sharanya	
10	11	K. Deepika	
11	11	K. Hanikrishna Naik	
12	17	K. Hemavathi	
13	14	L.N. Pawan Kalyan	
14	15	M. Chitti	
15	16	M. Lakshmi Shreya	
16	17	M. vineela	
17	18	M.P. pooja	
18	19	M. Kusha Bhai	
19	20	M.N. Rohith Reddy	
20	21	P. shanthi priya	
21	22	P. Durga	
22	23	S. Bhavya sai	
23	24	S. Jyothirmai	
24	25	S.C. Fareeha	
25	26	S.O. Masood	
26	27	S. Rukhiya Tabassum	
27	28	S. Renuka	



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Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

Theory													
7/8	8/8	9/8	10/8	11/8	12/8	13/8	14/8	15/8	16/8	17/8	18/8	19/8	20/8
25	26	27	28	29	30	31	32	33	34	35	36	37	38
100	101	102	103	104	105	106	107	108	109	110	111	112	113
90	91	92	93	94	95	96	97	98	99	100	101	102	103
95	96	97	98	99	100	101	102	103	104	105	106	107	108
96	97	98	99	100	101	102	103	104	105	106	107	108	109
102	103	104	105	106	107	108	109	110	111	112	113	114	115
94	95	96	97	98	99	100	101	102	103	104	105	106	107
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101	102	103	104	105	106	107	108	109	110	111	112	113	114
96	97	98	99	100	101	102	103	104	105	106</			

# LECTURE RECORD

Subject : Pharmaceutical Technology  
 Credits : .....  
 Duration of each exam (Mid) : 1 hour  
 Max. Marks : 30  
 No. of Internal Exams (Mids) : 03

S.No.	Date	Topic Covered / Exercise Completed	Remarks
	5/11/23	"	
	6/11/23	"	
	7/11/23	Tablet Coating	
	11/11/23	"	
	17/11/23	Types of tablet coating	
	18/11/23	"	
	19/11/23	"	
	21/11/23	"	
	25/11/23	"	
	26/11/23	Quality Control tests for Coated tablets	
	28/11/23	"	
	8/2/23	"	
	9/2/23	"	
	15/2/23	"	
	16/2/23	Compendium & evaluation of suspensions	
	22/2/23	"	
	22/2/23	"	
	24/2/23	"	
	2/3/23	"	
	2/3/23	Emulsion & solutions	
	4/3/23	"	
	9/3/23	"	
	15/3/23	"	
	16/3/23	"	
	18/3/23	Stability of all these preparations	
	23/3/23	"	
		"	



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# LECTURE RECORD

Subject : Pharmaceutical Formulation

Duration of each exam (Mid) : 120 min


Credits :

Max. Marks : 30

No. of Internal Exams (Mids) : 03

S.No.	Date	Topic Covered / Exercise Completed	Remarks
	25/3/22	u	
	30/3/22	u	
	21/6/23	Ophthalmic preparation (Semi-Solids)	<del>u</del>
	22/6/23	u	
	23/6/23	u	
	24/6/23	u	
	28/6/23	u	
	29/6/23	Ointment types of ointment base preparation	<del>u</del>
	30/6/23	u	
	5/7/23	u	
	6/7/23	u	
	7/7/23	Jellies types of jellies formulation of jellies	
	12/7/23	Suppositories and types of packaging	<del>u</del>
	13/7/23	u	
	14/7/23	u	
	19/7/23	u	
	20/7/23	u	
	21/7/23	Concept of Controlled and novel drug delivery system	<del>u</del>
	22/7/23	u	
	25/7/23	u	
	26/7/23	u	
	27/7/23	u	
	28/7/23	u	
	7/8/23	parenteral, transdermal, buccal, rectal, nasal	
	8/8/23	implant, ocular drug delivery system	<del>u</del>
	9/8/23	u	
	19/8/23	u	



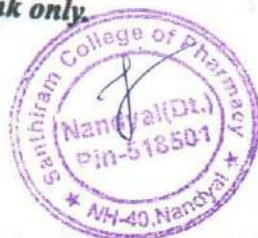
  
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## Important information to the Faculty

1. Attendance should be noted cumulative in the given columns. If any student is absent, Should be marked on that particular date, the attendance should be cumulative from the next day onwards.
2. The register should be verified once in every month with the concerned HOD & Principal.
3. Internal Marks should be awarded within Three working days from the date of Completion of the exam and should be signed by the concerned HOD & the answer scripts should be issued to the student without fail.
4. Final internal Marks should be rounded to the next integer. (ex: 11.25 should be taken as 12) 10.33 should be taken as 11)
5. Presumptive attendance should be awarded to each student as per the guidelines of the University. Presumptive attendance should be awarded by leaving the no. of columns (1 ex: If the Presumptive attendance is 6 periods then it should be noted as below)

Date	Presumptive + 6						
Regd No.	91	92	93	94	95	96	97
CCX51ACCCC	89						95
CCX51ACCCC	76						82

6. Minimum no. of slip test in each subject should be 6 & each slip test should be awarded in the grades A or B or C or D and should be entered in the respective registers.
7. Lesson plan in the register should be signed by the Faculty, concerned HOD & Principal before starting the class work.
8. Any correction in this register should be counter signed by the concerned faculty.
9. At the end of the semester / year the registers should be submitted along with the mid answer scripts to the concerned HOD.
10. In case of lab. every experiment / task must be evaluated up to date and the marks should be entered in the register after completion of the evaluation without fail.
11. Syllabus copy & Time table should be pasted in the attendance register (back side of cover page)
12. Nominal rolls should be entered into the register which are issued by OAS through HOD.
13. If any student is absent for internal Exam (or) Slip test the respective column should be marked as 'Ab' with red ink only.



  
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SANTHIRAM COLLEGE OF PHARMACY  
NANDYAL, ANDHRA PRADESH, INDIA

M. PHARM: I SEM

SUB: ADVANCED PHYSICAL  
PHARMACEUTICS

AY: 2022 - 2023

# SANTHIRAM COLLEGE OF PHARMACY



**NANDYAL - 518 501.**

*Affiliated to JNTUA, Ananthapuramu, Approved by PCI & AICTE  
New Delhi.*

## STUDENT ATTENDANCE REGISTER

*Academic Calender 2022 - 2023*

	Mid I	Mid II	Mid III	THU	End Lab Exams	End Theory Exams
Dates						

### STAFF TIME TABLE

Day/Time	09.30 - 10.30	10.30 - 11.30	11.40 - 12.40		01.40 - 02.40	02.40 - 03.40	03.50 - 04.50
Mon				B R E A K	Arr		
Tue							
Wed							
Thu	Arr						Arr
Fri							
Sat	Arr						



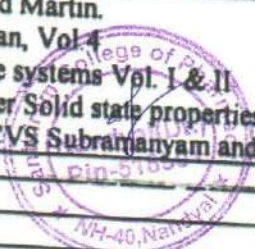
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 Nil-40, Nandyal-518501, A.P.



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**  
(Established by Govt. of A.P., ACT No.30 of 2008)  
**ANANTHAPURAMU - 515 002 (A.P) INDIA**

**M.PHARM. IN PHARMACEUTICS**  
**COURSE STRUCTURE & SYLLABI**

Course Code	ADVANCED PHYSICAL PHARMACEUTICS	L	T	P	C
21S03101			4	0	0
<b>Semester</b>		<b>I</b>			
<b>Course Objectives:</b>					
The students shall know about particle science, polymer science and its use in pharmaceutical dosage forms. They also know the compression and consolidation parameters for powders and granules. Students also know about the rheology, disperse systems, dissolution and solubility parameters for dosage forms.					
<b>Course Outcomes (CO):</b> Student will be able to					
The students will know particle size analysis method, solid dispersion, physics of tablets, polymer classification and its applications, student will also know the stability calculations, shelf life calculations and accelerated stability studies. They also know the rheology, absorption related to liquids and semi-solid dosage forms. They also know the factors affecting the dissolution and solubility in related to invitro/invivo correlations.					
<b>UNIT - I</b>					
<b>Polymer science:</b> Classification, properties and characterization of polymers, phase separation, polymers in solid state, preparation of polymer solution, application of polymers in pharmaceutical formulations. Mechanism of biodegradation of biodegradable polymers including controlled drug delivery systems, Mucoadhesive, Hydrodynamically balanced and Transdermal Systems.					
<b>UNIT - II</b>					
<b>Physics of tablet compression:</b> Basic principles of interactions, compression and consolidation, compression and consolidation under high loads, effect of friction, distribution of forces in compaction, force volume relationships, Heckel plots, compaction profiles, energy involved in compaction, Measurement of compression with strain gauges, compression pressure-QA parameters.					
<b>UNIT - III</b>					
<b>Kinetics and drug stability:</b> Stability calculations, rate equations, complex order kinetics, Factors influencing stability, strategy of stability testing, method of stabilization, method of accelerated stability testing in dosage forms, temperature and humidity control, physical stability testing of pharmaceutical products. Photodecomposition, Method, solid state decomposition.					
<b>UNIT - IV</b>					
Theoretical consideration, instrumentation, rheological properties of disperse systems and semisolids. Oscillatory testing, Creep measurement.					
<b>Characterization of API and excipients:</b> Differential Scanning Calorimetry: Principle, thermal transitions, advantages, disadvantages, instrumentation, applications and interpretations					
<b>X Ray Diffraction methods:</b> Origin of x-rays, principle, advantages, disadvantages, instrumentation, applications and interpretations.					
<b>UNIT - V</b>					
<b>Dissolution and solubility:</b> Solubility and solubilization of nonelectrolytes, solubilization by the use of surfactants, cosolvents, complexation, drug derivatization and solid state manipulation, Mechanisms of Drug release - dissolution, diffusion (Matrix and Reservoir) and swelling controlled (Peppas Model) and dissolution equipment					
<b>Textbooks:</b>					
1. Physical Pharmacy, 4th Edition by Alfred Martin.					
2. Theory and Practice of Tablets - Lachman, Vol. 4					
3. Pharmaceutical Dosage forms - Disperse systems Vol. I & II					
4. Cartenson "Drug Stability, Marcel Decker Solid state properties, Marcel Dekker.					
5. Industrial Pharmacy - Selected Topics, CVS Subramanyam and J Thimmasetty, Vallabh Prakashan					
Delhi - 2013					
<b>Reference Books:</b>					
1. Dispersive systems I, II, and III					
2. Robinson. Controlled Drug Delivery Systems					



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# Lesson Plan

Branch : Pharmacy  
 Name of the Faculty : P. Maheswar Reddy  
 Subject Name : Advanced Physical Pharmaceutics

Year & Semester : III  
 Department : Pharmaceutics  
 Subject Code : 2150514

**Text / or Reference Books (s)**

1. Advanced physical pharmaceutics by C.V. Subramanyam
2. Industrial pharmacy C.V. Subramanyam
3. Biopharmaceutics and pharmacokinetics - A Treatise - Dr. M. Brahmanan
4. Author's pharmaceutical - The design and manufacture of medicine
5. The theory and practice of pharmacy - Leon Lechman

Unit / Item No.	Topics (s)	Book Reference	Page Number		Proposed No. of Periods
			From	To	
1.	Polymer Science	①, ②	① 176 - 229		7
			② 235 - 240		
2.	Physics of tablet compression	5, ①	⑤ 66 - 99		7
			① 52 - 110		
3.	Kinetics and drug stability	4, 5.	④ 99 - 108		7
			⑤ 760 - 803		
4.	Instrumentation	①.	① 322 - 468		11
5.	Drug dissolution & solubility	3, 4, 1	③ 318 - 369		9
			④ 6 - 22		
			① 240 - 321		

Signature

With Date : 31/3/2023

  
 P. Maheswar Reddy  
 Faculty Member

  
 PRINCIPAL  
 Santiram College of Pharmacy  
 40, Nandyal-518501, AP  
 Principal

# LECTURE RECORD

Subject : Advanced physical pharmaceutics

Duration of each exam (Mid) : .....


Credits :

Max. Marks : .....

No. of Internal Exams (Mids) :

S.No.	Date	Topic Covered / Exercise Completed	Remarks
1)	11/12/22	Introduction Advanced physical pharmaceutics	P
2)	12/12/22	classification and properties of polymer	P
3)	22/12/22	Characterization of polymer	P
4)	24/12/22	Phase Separation and Polymers in solid state	P
5)	25/12/22	Preparation of polymer solution, applications of polymer	P
6)	29/12/22	Mechanism of biodegradation of biodegradable Polymers <sup>CRP</sup>	P
7)	29/12/22	Mucosa adhesive, hydrodynamically balanced system, TDDS.	P
8)	2/1/23	Physics of tablet compression, interaction, compression constant	P
9)	5/1/23	C&C under High load, effect of frictions.	P
10)	5/1/23	Distribution of forces in compaction.	P
11)	7/1/23	Force volume of relation chip, Huel. Plots.	P
12)	9/1/23	Compaction Profiles, Energy involved in compaction.	P
13)	9/1/23	Measurement of compression, compression pressure.	P
14)	19/1/23	Compression pressure - Q-A parameter.	P
15)	21/1/23	Kinetics and drug stability, stability calculation, rate equations	P
16)	23/1/23	Complex order kinetics.	P
17)	28/1/23	Factors influencing stability, strategy of stability testing	P
18)	30/1/23	Methods of stabilization, method of accelerated stability studies	P
19)	2/2/23	Temperature and Humidity (mohr)	P
20)	7/2/23	Physical stability testing in pharmaceutical product	P
21)	4/7/23	Photo degradation and solid state decomposition	P
22)	6/2/23	Instrumentation and Rheological properties of dispense system	P
23)	9/2/23	Rheological properties of semi-solid	P
24)	9/2/23	Oscillatory testing	P
25)	16/2/23	Creep measurement	P
26)	16/2/23	DSC principle, thermal transitions	P
27)	20/2/23	Advantages and disadvantages	P



  
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# SANTHIRAM COLLEGE OF PHARMACY

## STUDENT ATTENDANCE REGISTER

Class : M. Pharm I Sem

Course : Pharmaceutics

Sl. No.	Roll No.	Name of the Student	Date	Theory											
				19/1	20/1	21/1	22/1	23/1	24/1	25/1	26/1	27/1	28/1	29/1	30/1
1.	221K130381	A. A. Jay Kumar		1	2	3	4	5	6	7	8	9	10	11	12
2.	302	B. Durga		1	A	2	3	4	5	6	7	8	9	A	10
3.	303	B. Shobha Rani		1	2	3	4	5	6	7	A	8	9	10	11
4.	304	B. Lakshmi Karanth		1	2	3	4	5	A	6	7	8	9	10	11
5.	305	C. Praneeth		1	2	A	3	4	5	6	7	8	9	10	11
	306	C. Praveetha		1	2	3	4	5	6	7	8	A	9	10	11
	307	D. Vasanthi		A	1	2	3	4	5	6	7	8	9	10	11
	308	S. Madhu Mahan Reddy		1	2	3	4	5	6	A	7	8	9	10	A
9.	309	Shanku. Sathish		1	2	3	A	4	5	6	7	8	9	10	11



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# PHARMACY, NANDYAL REGISTER

AY Form No. 8987 To 12/12/2022 Faculty Dr. Madhu Mahan Reddy

Sl. No.	Theory												Lab Marks			Awarded Internal Marks		
	Theory												Lab Marks			Awarded Internal Marks		
	19/1	20/1	21/1	22/1	23/1	24/1	25/1	26/1	27/1	28/1	29/1	30/1	I	II	III	Th	Lab	
13	13	14	15	16	17	18	19	20	21	22	23	24						
11	12	A	13	14	15	16	A	17	18	19	20							
	A	11	12	B	14	15	6	17	18	A	19	20						
	12	13	A	14	15	16	A	17	18	19	20	21						
	12	13	14	A	15	16	17	18	A	19	20	A						
	12	A	13	14	15	A	16	17	18	19	A	20						
	12	13	A	14	15	16	17	A	18	19	20	21						
	12	13	14	15	A	16	17	18	19	20	A	21						
	11	A	12	13	14	15	16	A	17	18	19	A						
	12	13	14	A	15	A	16	17	18	A	19	20						

**PRINCIPAL**  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.



# PHARMACY, NANDYAL. REGISTER

AY Form.....2022.....To.....23.....Faculty.....D. Madhava Reddy.....  
 Sub & Code.....App. (A.I. & B.I.).....Dept.....Pharmaceutics.....

LAB

Theory Marks

13	14	15	16	17	18	19	20	21	22	23	24	Mid I			Mid II			Mid III			Lab Marks			Awarded Internal Marks	
												Odj	Sub	Tot	Odj	Sub	Tot	Odj	Sub	Tot	I	II	III	Th	Lab

25      25

28      27

28      A

27      17

27      18

26      25

27      27

25      A

28      27



*[Signature]*  
 PRINCIPAL  
 Santhiram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.



## Important information to the Faculty

1. Attendance should be noted cumulative in the given columns. If any student is absent 'A' Should be marked on that particular date, the attendance should be cumulative from the next day onwards.
2. The register should be varified once in every month with the concerced HOD & Principal.
3. Internal Marks should be awarded within Three working days from the date of Completion of the exam and should be signed by the concerned HOD & the answer scripts should be issued to the student without fail.
4. Final internal Marks should be rounded to the next interger. (ex: 11.25 should be taken as 12(or) 10.33 should be taken be taken as 11)
5. Presumptive attendance should be awarded to each student as per the guidelines of the University. Presumptive attendance should be awarded by leaving the no. of columns (For ex : If the Presumptive attendance is 6 periods then it should be noted as below)

Date	Presumptive + 6						
Regd No.	91	92	93	94	95	96	97
CCX5IACCCC	89						95
CCX5IACCCC	76						82

6. Mininum no. of slip test in each subject should be 6 & each slip test should be awarded with the grades A or B or C or D and should be entered in the respective registers.
7. Lesson plan in the register should be signed by the Faculty, concerned HOD & Principal before starting the class work.
8. Any correction in this register should be counter signed by the concerned faculty.
9. At the end of the semester / year the registers should be submitted along with the mid answer scripts to the concerned HOD.
10. In case of lab. every experiment / task must be evaluated up to date and the marks should be entered in the register after completion of the evaluation without fail.
11. Syllabus copy & Time table should be pasted in the attendance register (back side of the cover page)
12. Nominal rolls should be entered into the register which are issued by OAS through HOD.
13. If any student is absent for internal Exam (or) Slip test the respective column should be marked as 'Ab' with red ink only.



  
 PRINCIPAL  
 Santhi College of Pharmacy,  
 NH-40, Nandy, A.P.



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**  
**ANANTHAPURAMU - 515002, A.P (INDIA)**

**ACADEMIC CALENDAR**

for

**Academic Year 2022-23**

**M.Pharm**

**I & II Semester**

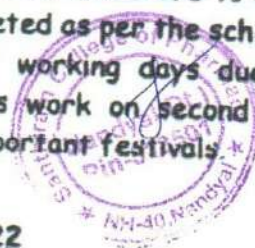
**(For 2022-admitted batch)**

I Semester		
I spell of Instructions	19.12.2022 to 11.02.2023	(08 Weeks)
I Mid-Term Examinations	13.02.2023 to 14.02.2023	(02 Days)
II spell of Instructions	15.02.2023 to 08.04.2023	(08 Weeks)
II Mid-Term Examinations	10.04.2023 to 11.04.2023	(02 Days)
University Practicals Examinations	12.04.2023 to 15.04.2023	(04 Days)
University Theory Examinations	17.04.2023 to 21.04.2023	(01 Week)
Commencement of Class Work for II semester	24.04.2023 (Monday)	
Declaration of results for I semester	06.05.2023	

II Semester		
I spell of Instructions:	24.04.2023 to 29.04.2023	(01 Week)
Summer Vacation	30.04.2023 to 28.05.2023	(04 Weeks)
I spell of Instructions (Continued):	29.05.2023 to 15.07.2023	(07 Weeks)
I Mid-Term Examinations	17.07.2023 to 18.07.2023	(02 Days)
II spell of Instructions:	19.07.2023 to 12.09.2023	(08 Weeks)
II Mid-Term Examinations	13.09.2023 to 14.09.2023	(02 Days)
University Practicals Examinations	15.09.2023 to 20.09.2023	(01 Week)
University Theory Examinations	21.09.2023 to 29.09.2023	(01 Week)
Commencement of Class Work for III semester	03.10.2023 (Tuesday)	
Declaration of results for II semester	20.10.2023	

- Note:**
- The midterm examinations are to be conducted during both forenoon and afternoon sessions and are to be completed as per the schedule given above.
  - For slippage of working days due to any unavoidable reasons, compensation can be made by conducting class work on second Saturdays, Sundays and other holidays, except on National Holidays and important festivals.

Date: 17.12.2022



**PRINCIPAL**  
Santhiram College of Pharmacy  
NH-40, Nandyal-518401, A.P.

Digitally signed by KISHAYA REDDY  
IDDULA  
Date: Sat Dec 17 12:24:51 IST 2022

**DIRECTOR OF EVALUATION**



Phone : 08514 - 276211, 276212  
Fax : 08514 - 276213



Email : srcp07hc@gmail.com  
srcn07hc@yahoo.com  
Web : www.srcpnandyal.edu.in

## **SANTHIRAM COLLEGE OF PHARMACY**

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

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1.1.1

Laboratory Records

# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No. : 22HCIR0073

Class : B-pharmacy

Sub : Pharmaceutical Analysis

Semester : I - I




## CERTIFICATE

Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. P.Y. Usha Sree


during the year 2022 - 2023

  
Lecturer in Charge


  
**SIVA SANKER REDDY, L**  
Head of the Department, M. Pharm., Ph. D.,  
Professor & HOD,  
Dept. of Pharmaceutical Analysis  
Santhiram College of Pharmacy,  
NANDYAL-518501, A.P.

Submitted for the Practical Examination held on 11/7/23

at **SANTHIRAM COLLEGE OF PHARMCY**

  
External Examiner



  
PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

  
Internal Examiner



**SANTHIRAM COLLEGE OF PHARMACY**  
Nandyal 518112, A.P., India

**INDEX**  
**CONTINUOUS ASSEMENT OF PRACTICALS**

Academic Year: <u>2022-2023</u>	Program: <u>B. Pharm</u>	Year/ Semester: <u>1-1</u>
Subject: <u>Pharmaceutical Analysis</u>	Name of the Faculty: <u>Madhan Gopal Sir</u>	
Reg. No. & Name of the Candidate: <u>22HCIR0073 - P.Y. Usha Sree</u>		

Exp. No	Date	Title of the Experiment	Pg. No	Practical Assessment (PA)			Total 15 M	Sign
				A* 5M	B* 5M	Viva 5M		
1	20/1/23	Introduction	1-5	3	4	3	10	<input checked="" type="checkbox"/>
2	27/1/23	Preparation & standardization of 0.1N sodium hydroxide solution.	6-7	4	4	4	12	<input checked="" type="checkbox"/>
3	3/2/23	Assay of Ammonium chloride	8-9	4	4	3	11	<input checked="" type="checkbox"/>
4	10/2/23	Preparation & standardization of 0.1M sulphuric acid.	10-11	4	4	3	11	<input checked="" type="checkbox"/>
5	17/2/23	Preparation and standardization of 0.1N $KMnO_4$	12-14	4	4	4	12	<input checked="" type="checkbox"/>
6	24/2/23	Assay of ferrous sulphate	15	4	4	3	11	<input checked="" type="checkbox"/>
7	3/3/23	Assay of hydrogen peroxide by permanganometry.	16-17	5	4	2	11	<input checked="" type="checkbox"/>
8	10/3/23	Preparation & standardization of 0.1N sodium thiosulphate	18-19	4	5	4	13	<input checked="" type="checkbox"/>
9	24/3/23	Assay of calcium gluconate	20-22	5	4	5	14	<input checked="" type="checkbox"/>
10	31/3/23	Potentiometric titration of strong acid and strong base	23-24	4	4	3	11	<input checked="" type="checkbox"/>
11	7/4/23	strong acid v/s strong base conductometry titration of	25-27	5	3	4	12	<input checked="" type="checkbox"/>
12	21/4/23	conductometric titration of strong acid & weak acid with strong	28-30	5	5	4	14	<input checked="" type="checkbox"/>
13	28/4/23	Assay of sodium benzoate	30-32	5	4	3	12	<input checked="" type="checkbox"/>
14	28/4/23	Assay of sodium chloride	33-34	5	5	4	14	<input checked="" type="checkbox"/>
15	29/4/23	Preparation and standardisation of ceric ammonium sulphate	35-38	5	4	5	14	<input checked="" type="checkbox"/>

A\* - Performance Ability, B\* - Record Ability



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1/5/23	chlorides LIMIT TEST for	37-38	4	5	4	13	<del>10</del>
2/5/23	sulphates Limit test for	39-41	4	4	4	12	<del>10</del>
3/5/23	Iron Limit test for	41-43	3	3	3	9	<del>10</del>
4/5/23	Arsenic Limit test for	44-46	5	4	4	13	<del>10</del>

MARKS OBTAINED		Avg. of Marks I & II MID
MID I	MID II	
Total Marks (Mid I) = 120	Total Marks (Mid II) = 165	Avg. of Marks = 285
Total Marks Obtained / 91	Total Marks Obtained / 138	Total Marks Obtained / 229
Total Experiments Conducted	Total Experiments Conducted	Total Experiments Conducted 19
$\frac{91}{8} = 11.37$	$\frac{138}{11} = 12.54$	$\frac{229}{19} = 12.05$

(Name & Signature of Subject Teacher)

e:  
Performance Ability [Technical & Observational Skills]: (5 Marks)

Select & handle the appropriate apparatus/ instruments for performing the experiments without damaging/ breaking it.

Perform the experiment following the said procedure with efficiency and accuracy, observe & record the result correctly in the observation book.

Practice the precautions in handling sensitive apparatus or chemicals or flame.

Record Ability [Reporting and Interpretative Skills]: (5 Marks)

Make a proper plan for recording the observations & interpret them correctly and systematically.

Use proper formulae and mode of summarizing and reporting the result.

Report the result using correct symbols, units, terms and chemical equations.

Viva-Voce: (5 Marks)

Allow students to 'think on their feet' and express themselves meaningfully.

Demonstrating students' ability to reflect and think critically in real time and explore their knowledge.

Distinguishing between superficial and in-depth learning (through interactive dialogue between the student and examiner).



*[Signature]*  
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NH-40, Nandyal-518501, A.P.

# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No. : 21HCIR0051

Class : B-pharmacy II year

Sub : Microbiology

Semester : I semester



## CERTIFICATE

*Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. M. Vyshnavi  
during the year 2022 - 2023*

  
Lecturer in Charge

  
Head of the Department

Head of the Department  
Santhiram College of Pharmacy  
NH-18, NANDYAL

*Submitted for the Practical Examination held on 20/3/2023*

**at SANTHIRAM COLLEGE OF PHARMACY**

  
External Examiner





  
Internal Examiner



# SANTHIRAM COLLEGE OF PHARMACY

Nandyal 518112, A.P., India

## INDEX CONTINUOUS ASSEMENT OF PRACTICALS

Academic Year: <u>2022 - 2023</u>	Program: <u>B. Pharm</u>	Year/ Semester: <u>II year 3 semester</u>
Subject: <u>Ph. Microbiology</u>	Name of the Faculty: <u>N. Srinivas reddy sir</u>	
Reg. No. & Name of the Candidate: <u>21HC1R0051, M. Vyshnavi</u>		

Exp. No	Date	Title of the Experiment	Pg. No	Practical Assessment (PA)			Total 15 M	Sign
				A* 5M	B* 5M	Viva 5M		
1	3/12/22	Introduction	1-8	5	4	3	12	CP
2	11/12/22	Aseptic techniques & media preparation	9-24	5	5	4	14	CP
3	20/12/22	Pure culture techniques & streak plate method	25-27	0	0	0	0	CP
4	31/12/22	pour-plate method	28-29	5	4	5	14	CP
5	31/12/22	spread plate method	29-30	5	4	4	13	CP
6	2/1/23	staining techniques and simple staining	31-33	4	5	3	12	CP
7	27/1/23	Negative staining	34	4	4	5	13	CP
8	28/1/23	grams staining	35-36	5	5	5	15	CP
9	28/1/23	Acid fast staining	37-38	5	4	5	14	CP
10	4/2/23	IMVIC Test.	39-43	5	3	4	12	CP
11	11/2/23	Bacterial motility	44-45	5	3	4	12	CP
12	11/2/23	Assay of benzyl penicillin	46-47	4	4	3	11	CP
13	20/2/23	sterility test for NaCl injection	48-49	4	5	5	14	CP
14	25/2/23	most probable number (MPN)	49-51	4	3	4	11	CP

A\* - Performance Ability; B\* - Record Ability

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# SANTHIRAM COLLEGE OF PHARMACY NANDYAL.

Regd No. : 20HC1RD049

Class : B-pharmacy, III year

Sub : Pharmacology - III

Semester : 2<sup>nd</sup> Semester



## CERTIFICATE

*Certified that this is bonafied record of Practical Work done in the Laboratory by*

Mr. / Miss, / Mrs. ✓ K. Suguna

during the year 2022 - 2023

  
Lecturer in Charge

Head of the Department  
Santhiram College of Pharmacy  
Head of the Department  
NH-18, NANDYAL

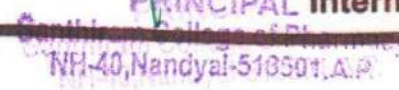
Submitted for the Practical Examination held on 10-07-2023

at **SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.**

  
External Examiner



  
PRINCIPAL Internal Examiner





# SANTHIRAM COLLEGE OF PHARMACY

Nandyal 518112, A.P., India

## INDEX CONTINUOUS ASSEMENT OF PRACTICALS

Academic Year: 2023	Program: B. Pharm	Year/ Semester: III year, II sem
Subject: Pharmacology - III		Name of the Faculty: R. Niranjan Kumar
Reg. No. & Name of the Candidate: 20HC1R0049 k. Suguna		

Exp. No	Date	Title of the Experiment	Pg. No	Practical Assessment (PA)			Total 15 M	Sign
				A* 5M	B* 5M	Viva 5M		
1	9/2/23	Dose calculations in pharmacological experiments	1-6	5	4	4	13	RC
2	16/2/23	Tests for pyrogens - Rabbit method	7-8	4	4	4	12	RC
3	29/2/23	Study the effects of drugs on gastro-intestinal motility	9-10	4	5	4	13	RC
4	2/3/23	Study the ulcer activity by using pylorus ligation method	11-12	4	5	5	14	RC
5	9/3/23	Study of anti-ulcer activity of a drug using NSAID's induced ulcer model	13-14	5	4	4	14	RC
6	16/3/23	Estimation of serum biochemical parameters by using semi-autoanalyser	15-18	5	5	5	15	RC
7	23/3/23	Estimation of Insulin by hypoglycaemic effect in rabbit	19-20	5	4	4	13	RC
8	6/4/23	Determination of acute skin irritation	21-22	5	5	4	14	RC
9	20/4/23	Determination of acute eye irritation	23-24	4	4	4	12	RC
10	27/4/23	Effect of saline purgative on frog intestine	25-26	5	5	5	15	RC
11	8/6/23	Determination of Acute oral toxicity (LD50) of a drug from given data	27	5	5	4	14	RC
12	15/6/23	Biostatistic method in experimental pharmacology (students - t-test, ANOVA)	28-29	5	5	4	14	RC
13	22/6/23	Biostatistic method in experimental pharmacology (chi-square test, wilcoxon signed rank test)	30-32	5	4	5	14	RC
14								

A\* - Performance Ability; B\* - Record Ability

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# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No.: 19HC1R0026

Class: B. Pharm IV year

Sub: Instrumental method of Analysis

Semester: VII Sem



## CERTIFICATE

Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. D. GURU Janardhan  
Reddy during the year 2022 - 2023

*Nagani*  
Lecturer in Charge

*S. Sanker Reddy*  
Dr. SIVA SANKER REDDY, L  
Head of the Department, M.Pharm., Ph.D.  
Professor & HOD,  
Dept. of Pharmaceutical Analysis,  
Santhiram College of Pharmacy,  
NANDYAL-518501, A.P.

Submitted for the Practical Examination held on 26-12-22  
at **SANTHIRAM COLLEGE OF PHARMACY**

*[Signature]*  
External Examiner



*[Signature]*  
Principal  
Internal Examiner  
Santhiram College of Pharmacy  
NH-40, Nandyal, 518501 A.P.

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4.	Determination of % purity of paracetamol by specific absorbance method	12-10-22	8-10
5.	Determine the % purity of riboflavin by colorimetry	12-10-22	11-13
6.	Estimation of genuine sulphate by sample fluorimetry	19-10-22	14-15
7.	Quenching effect of halide ion genuine sulphate by fluorimetry	26-10-22	16-17
8.	Assay of Aspirin Tablet By colorimetry	16-11-22	18-19
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12.	Separation & Identification of Amino Acids By Thin layer chromatography	7-12-22	28-29
13.	Separation of Components Using Column chromatography (Demonstration)	14-12-22	30-31
14.	High performance Liquid Chromatography	14-12-22	32-34



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No. : 22HC1T0013

Class : Pharm-D

Sub : Human Anatomy and Physiology

Semester : 1<sup>st</sup> Year



## CERTIFICATE

*Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. Malave Rishika*

*\_\_\_\_\_ during the year 2022-2023*

*K. Anle*  
Lecturer in Charge

*M. Debi Prasad*  
Head of the Department  
Department of Pharmaceutical  
Santhiram College of Pharmacy  
NH-40, NANDYAL.

*Submitted for the Practical Examination held on \_\_\_\_\_*

**at SANTHIRAM COLLEGE OF PHARMACY**

*[Signature]*  
External Examiner



*[Signature]*  
PRINCIPAL Internal Examiner  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

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03	b. Microscopic study of Nervous tissue	25-1-2023	18
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5	a. Determination of Bleeding time	8-2-23	23 to 24
	b. Determination of clotting time	8-2-23	25
6	Introduction to haemocytometer	15-2-23	26 to 28
7	The Study of The Digestive System	22-2-23	29 to 32
8	Study of The Skeletal System	1-3-23	33 to 38
9	Study of The Muscular System	15-3-23	39 to 40
10	Study of The Respiratory system	19-4-23	41 to 42
11	Study of The Circulatory System	26-4-23	43
12	Study of Special Sense organs	3-5-23	44 to 45
13	The Study of Urinary System	10-5-23	46 to 47
14	Study of the Nervous System	7-6-23	48 to 49
15	Study of The Reproductive System	15-6-23	50 to 53
16	Estimation of Blood pressure of own blood	22-6-23	54 to 57
17	Determination of RBC count of own blood	6-7-23	58 to 59
18	Determination of erythrocyte	20-7-23	60 to 61
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PRINCIPAL  
 Santhiram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.

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23	Effect of Fatigue	14-9-23	74 to 77
24	Effect of Temperature	21-9-23	78 to 81
25	Effect of Load	12-10-23	82 to 85



  
**PRINCIPAL**  
 Santhram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.




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✓ 2.	Macro Microscopical and powder microscopy of Podophyllum Root	05-01-23	8-10 <del>10</del>
✓ 3.	Macro Microscopical and powder microscopy of Rauwolfia Root	19-01-23	11-13 <del>10</del>
✓ 4.	Macro Microscopical and powder microscopy of Licorice Root	19-01-23	14-16 <del>9</del>
✓ 5.	Macro Microscopical and powder microscopy of Cinchona Bark	02-02-23	17-19 <del>10</del>
✓ 6.	Macro Microscopical and powder microscopy of Cinnamon Bark	09-02-23	20-22 <del>9</del>
✓ 7.	Macro Microscopical and powder microscopy of Quassia wood	16-02-23	23-24 <del>9</del>
✓ 8.	Macro Microscopical and powder characteristics of Datura leaf	23-02-23	25-27 <del>10</del>
✓ 9.	Macro Microscopical and powder microscopy of Clove Bud	01-03-23	28-30 <del>9</del>
✓ 10.	Macro, microscopical and powder characteristics of Senna leaf	13-04-23	31-32 <del>10</del>
✓ 11.	Macro, Micro and powder microscopy of Coriander Fruit	20-04-23	33-35 <del>9</del>
✓ 12.	Macro, Micro and powder characteristics of Ginger	27-04-23	36-37 <del>10</del>
✓ 13.	Macro, Micro and powder characteristics of Nux Vomica Seed	04-05-23	38-39 <del>9</del>
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23.	Chemical Test for starch	07/09/23	53
24.	Chemical Test for Gelatin	14/09/23	54
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27.	Chemical Test for Bees Wax	28/09/23	57
			263
			280
			= 9.3



  
**PRINCIPAL**  
 Santhiram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No. : 20HCIT0031

Class : Pharm.D-III<sup>rd</sup> year

Sub : Medicinal chemistry


Semester :         



## CERTIFICATE

*Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. V. Kiranmai  
during the year 2022 - 2023.*

  
Lecturer in Charge

  
Head of the Department  
Department of Pharmacy Practice  
Santhiram College of Pharmacy  
NH-40, NANDYAL

*Submitted for the Practical Examination held on 7-09-2023.*

**at SANTHIRAM COLLEGE OF PHARMCY**

  
External Examiner



  
PRINCIPAL Internal Examiner  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501 A.P.



S:NO	Name of the experiment	Date	Page No.
14.	Assay of Diclofenac by Alkalimetry	15-06-2023	24.
15.	Monograph analysis of ibuprofen	22-06-2023	25-26.
16.	Monograph analysis of Caffeine	06-07-2023	27-29
17.	Identification and purity test of Aspirin tablets IP	17-07-2023	30-31
18.	Assay of metronidazole	20-07-2023	32
19.	Assay of ascorbic acid.	27-07-2023	33-34
20.	Assay of isoniazid (INH)	03-08-2023	35
21.	Assay of chloroquine phosphate.	10-08-2023	36.



Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL.

Regd No. : 19HC1T0031

Class : phazm-D IV Year

Sub : Bppk

Semester : 1<sup>st</sup>



13x6  
20

## CERTIFICATE

*Certified that this bonafied record of Practical Work done in the  
Laboratory by Mr. / Miss, Mrs. y. sandhya latha  
during the year 2022-2023.*

*C.R.S.C. Jhavarath*  
**Lecturer in Charge**

*M. Jhavarath*  
**Head of the Department**  
**Head of the Department**  
**Department of Pharmacy Practice**  
**Santhiram College of Pharmacy**  
**NH-40, NANDYAL.**

*Submitted for the Practical Examination held on 04-04-23*

**at SANTHIRAM COLLEGE OF PHARMACY**

*V. Bui Nadun*  
**External Examiner**



*G. B. V.*

**PRINCIPAL**  
**Santhiram College of Pharmacy**  
**NH-40, Nandyal-518501, A.P.**

*C.R.S.C. Jhavarath*  
**Internal Examiner**

# INDEX

S. No.	Name of the Experiments	Date	Page No.
1.	Determination of possible pharmacokinetic parameter of a given drug administered by IV bolus followed by 1 Compartment open model	05/7/22	1-03 <i>J</i>
2.	Determination of possible pharmacokinetic parameter of a given drug administered by IV bolus followed by 1 Compartment open model.	12/07/22	04-05 <i>J</i>
3.	Determination of all possible pharmacokinetic parameters of a given drug administered by IV bolus followed by 1 Compartment open model	19/7/22	06-07 <i>J</i>
4.	Construction of calibration curve of salicylic acid by calorimetry	26/7/22	08-09 <i>J</i>
5.	Construction of calibration curve of paracetamol	02/8/22	10-12 <i>J</i>
6.	In vitro dissolution study of paracetamol conventional tablets	16/8/22 27/8/22	13-15 <i>J</i>
② 7.	Calculation of dosage adjustment in children	6/9/22 13/9/22	16-17 <i>J</i>
① 8.	Preparation of In vitro dissolution study of diclofenac Na dispersion	4/10/22 11/10/22	18-20 <i>J</i>
9.	Preparation and evaluation of Solid dispersion containing paracetamol	18/10/22 25/10/22 1/11/22	21-26 <i>J</i>



PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

S/NO	Name of the experiment	Date	Page No.
10. (3)	In vitro dissolution studies of metformin HCl tablets IP.	15/11/22	27-28 B
11. (4)	In vitro dissolution studies of the paracetamol fast releasing tablets (IP).	22/11/22 29/11/22	29-31 B
12. (5)	protein binding study of paracetamol.	6/12/22 13/12/22	32-35 B
13. (6)	Case study :- calculation of dosage adjustment in children	20/12/22 10/01/2023	36-37 B
14. (7)	Case study - 2 Dose adjustment calculation in Renal failure patient	17/1/23 24/1/23	38-41 B
15. (8)	Case study - 03	7/2/23 14/2/23	41-42 B
16. (9)	Case study - 04	21/2/23 28/2/23	42-43 B




PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-516501, A.P.



## INDEX

No	Name of the Experiments	Page. No	Date
1	Study on diffusion of drugs through various polymeric membranes	1-3	9/6/23 <i>to</i>
2	Formulation and evaluation of sustained release oral diclofenac sodium matrix tablets	4-6	16/6/23 <i>to</i>
3	Formulation and evaluation of sustained release oral ibuprofen matrix tablets	7-9	30/6/23 <i>to</i>
4	Formulation and evaluation of losartan hallow microspheres	10-11	7/7/23 <i>to</i>
5	Formulation and evaluation of quetiapine alginate beads	12-14	21/7/23 <i>to</i>
6	Study of invitro dissolution of various sustained release marketed tablets	15-16	28/7/23 <i>to</i>
7	Formulation and evaluation of diclofenac transdermal patches	17-18	4/8/23 <i>to</i>
8	Formulation and evaluation of quetiapine transdermal patches	19-21	11/8/23 <i>to</i>
9	Formulation and evaluation of mucoadhesive buccal films of losartan potassium	22-23	18/8/23 <i>to</i>



  
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 Santhiram College of Pharmacy  
 NH-40, Nandyal-518501, A.P.





## **SANTHIRAM COLLEGE OF PHARMACY**

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

---

### 1.1.1

Requisition letters to  
industry for training



# SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

Ref: SRCP/PO/Ind trg/2022-23/1

Dr. C. Madhusudhana Chetty

M.Pharmacy., Ph.D., MBA

Principal

## TO WHOM EVER IT MAY CONCERN

Dear Sir,

This is to certify that the following bonafide students of B. Pharmacy of this institution is required **150 HRS. PERIOD OF INDUSTRIAL TRAINING IN ONE MONTH OF SUMMER VACATION (MAY & JUNE 2022)** as a part of their PCI /JNTUA curriculum.

Hence, in this connection, we are requesting you to provide the training opportunity in your esteemed, well organized **HETERO DRUGS LIMITED** Hyderabad at your convenient batch within stipulated time.

- 1.PONNAPURAM NAGA SUMITHRA {19HC1R0078}
- 2.BOYA RISHIKA {19HC1R008}
- 3.KATTA KALAVATHI {19HC1R050}
- 4.KARDUVADI SULOCHANA {19HC1R0048}
- 5.KANALA SUBBA LAKSHMI {19HC1R0047}
- 6.GOOLEY HIMAJA {19HC1R0038}
- 7.BOREDDY KEERTHI REDDY {19HC1R0014}
- 8.PANDITI KALYANI {19HC1R0072}
- 9.ATIKERI NAVYA SRI {19HC1R0006}
- 10.BALIJA MEGHANA {19HC1R0009}
- 11.BHAVANASI SRI SAI CHARNIKA {19HC1R0010}
- 12.MEKA NAGA HARSHITHA {19HC1R0066}
- 13.MALLEM MARY KIRANMAI {19HC1R0062}

Kindly do the needful, and your support is highly appreciated.



  
**PRINCIPAL**  
**PRINCIPAL**  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

Phone : 08514 - 276211, 276212  
Fax : 08514 - 276213



Email : srcp07hc@gmail.com  
srcn07hc@yahoo.com  
Web : www.srcpnandyal.edu.in

## **SANTHIRAM COLLEGE OF PHARMACY**

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

---

1.1.1

### **NOC for Internship Students**



# SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

Ref: SRCP/Pharm.D/Internship/NOC/2023/5

Date: 23-03-2023

Dr. C. Madhusudhana Chetty

M. Pharmacy., Ph.D., M.B.A

PRINCIPAL

## NO OBJECTION CERTIFICATE

Sub: SRCP- J. Hari Theja -internship -3Months-NOC-issued-Reg.

Ref: 1. NOC from KIMS Super Specialty Hospital, Secunderabad, dt.23/03/2023 for 3Months internship. 2. The candidate request letter dt. 23/03/23

\*\*\*\*

Mr. j.Hari Theja S/O Jyothi Kesava bearing Reg.no. 17HC1T0008 of VI Pharm.D of this institution is interested to continue his part of 12 months of internship at KIMS Super Specialty Hospital, Secunderabad for not more than three (3) months as per the regulations.

We have no objection to continue his internship on his interest with provided all necessary approvals & regulations of concerned authorities and on conditioned to inspect the facilities by our staff at any time on his performance.



  
Principal

PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.



# SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

Ref: SRCP/Pharm.D/Internship/NOC/2023/5

Date: 23-03-2023

Dr. C. Madhusudhana Chetty

M. Pharmacy., Ph.D., M.B.A

PRINCIPAL

## NO OBJECTION CERTIFICATE

Sub: SRCP- S. Divya Teja -internship -3Months-NOC-issued-Reg.

Ref: 1. NOC from KIMS Super Specialty Hospital, Secunderabad, dt.23/03/2023 for 3Months internship. 2. The candidate request letter dt. 23/03/23

\*\*\*\*

Ms. S. Divya Teja D/O S. V. Sasidhar bearing Reg.no. 17HC1T0024 of VI Pharm. D of this institution is interested to continue her part of 12 months of internship at KIMS Super Specialty Hospital, Secunderabad for not more than three (3) months as per the regulations.

We have no objection to continue her internship on his interest with provided all necessary approvals & regulations of concerned authorities and on conditioned to inspect the facilities by our staff at any time on his performance.



  
Principal

PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.



# SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
An ISO 9001:2015 Certified Institute

NH-40, Nerawada (VII & Post), NANDYAL - 518112, Nandyal (Dt), A.P., India.

Ref: SRCP/Pharm.D/Internship/NOC/2023/5

**Dr.C.Madhusudhana Chetty**

M.Pharmacy., Ph.D., MBA

PRINCIPAL

Date: 23-03-2023

## NO OBJECTION CERTIFICATE

Sub: SRCP -V.S.L.L.Narayana Reddy-internship -3Months-NOC-issued -Reg.

Ref: 1. NOC from KIMS Super Specialty Hospital, Secunderabad, dt.23/03/2023  
for 3Months internship.

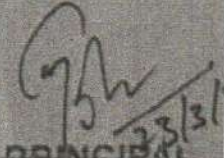
2. The candidate request letter dt. 23/03/23

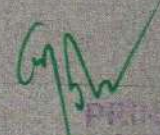
\*\*\*\*\*

**Mr. V.S.L.L.Narayana Reddy S/o V.Jagadeeswara Reddy** bearing  
**Reg.no. 17HC1T0029** of VI Pharm.D of this institution is interested to continue  
his part of 12 months of internship at KIMS Super Specialty Hospital,  
Secunderabad for not more than three (3) months as per the regulations.

We have no objection to continue his intership on his interest with provided  
all necessary approvals & regulations of concerned authorities and on conditioned  
to inspect the facilities by our staff at any time on his performance.



  
23/3/23  
PRINCIPAL  
Santhiram College of Pharmacy  
N.H.-40, Nandyal-51850

  
PRINCIPAL  
Santhiram College of Pharmacy  
NH-40, Nandyal-518501, A.P.

Phone : 08514 - 276211, 276212  
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Email : srcp07hc@gmail.com  
srcn07hc@yahoo.com  
Web : www.srcpnandyal.edu.in

# **SANTHIRAM COLLEGE OF PHARMACY**

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

---

**1.1.1**

**Pharm.D Clinical Posting  
shedules**

**2022-23**

Phone : 08514 - 276211, 276212  
Fax : 08514 - 276213



Email : srcn07hc@gmail.com  
srcn07hc@yahoo.com  
Web : www.srcpnandyal.com

# SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi - Affiliated to JNTUA, Anantapur  
NH - 18, Nandyal, Kurnool District, Andhra Pradesh - 518501.

Ref: SRCP-Principal-Pharm.D Hospital Postings/2022

Date: 01-07-2022

Dr.C.Madhusudhana Chetty  
M.Pharmacy., Ph.D., MBA

PRINCIPAL

To  
The Medical superintendent  
Santhiram General Hospital  
Nandyal.

Respected sir

Sub: SRCP-Pharm.D-Clinical Postings AY 2022-23 submission –reg

\*\*\*

With reference to the cited subject that the proposed schedules of clinical postings for III , IV ,V Year Pharm.D & VI Pharm.D Interns are here by enclosed for your kind consideration and approval for the AY 2022-23. -

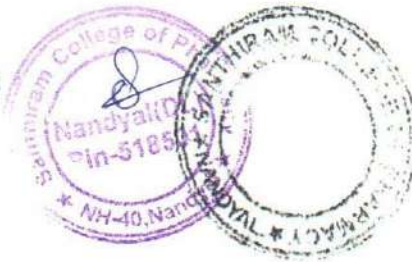
Further we need your kind attention that our V year Pharm.D students have to do their clinical projects as per the curriculum .The HODs of different specialties are requested to guide them as Hospital preceptors.

This is for your kind information and needful support.

Thanking you

Copy to:

1. The vice chairman Madam
2. The Principal SRMC
3. Office file



Your's sincerely

Principal  
Santhiram College of Pharmacy,  
NH-40, NANDYAL

Sponsored by : Sri Shirdi Sai Educational Academy, 25/602-A, Srinivasa Nagar, Nandyal - 518501.



# HOSPITAL POSTINGS FOR PHARM.D II YEAR MAY 2022-23

Department	Dec-Jan	Feb-Mar	Mar-Apr	May-Jul	Jul-Aug	Aug-Oct
General Medicine	A	B	C	D	E	F
Ophthalmology	B	C	D	E	F	A
Pulmonology	C	D	E	F	A	B
General Surgery	D	E	F	A	B	C
Cardiology	E	F	A	B	C	D
Patient counseling	F	A	B	C	D	E

S.No	Batches	IV Pharm.D	S.No	Batches	V Pharm.D
1	A	21HC1T0001	5	E	21HC1T0022
		21HC1T0002			21HC1T0023
		21HC1T0004			21HC1T0024
		21HC1T0005			21HC1T0025
		21HC1T0006			21HC1T0026
		21HC1T0007			21HC1T0027
2	B	21HC1T0008	6	F	21HC1T0028
		21HC1T0009			21HC1T0029
		21HC1T0010			21HC1T0030
		21HC1T0011			21HC1T0031
		21HC1T0012			
		21HC1T0013			
3	C	21HC1T0014			
		21HC1T0015			
		21HC1T0016			
		21HC1T0017			
		21HC1T0018			
		21HC1T0019			
4	D	21HC1T0020			
		21HC1T0021			

Month	Rotation Dates
Dec-Jan	12-12-2022 to 31-01-2023
Feb-Mar	01-02-2023 to 15-03-2023
Mar-Apr	16-03-2023 to 29-04-2023
May-July	29-05-2023 to 15-07-2023
July-Aug	16-07-2023 to 31-08-2023
Aug-Oct	01-09-2023 to 07-10-2023



Handwritten signature

CLASS INCHARGE

*K. Srinivas*

~~HOD~~

Head of the Department  
Department of Pharmacy Practice  
Santhiram College of Pharmacy  
Nandyal

Principal

*Srinivas*

Santhiram College of Pharmacy  
NH-40, Nerawada (V&P)  
Nandyal (Dt.), A.P.-518112

# HOSPITAL ROTATIONS FOR PHARM.D III YEAR MAY 2022-23

Department	Oct-Dec	Dec-Jan	Feb-Mar	Mar-Apr	Apr-Jul	Jul-Aug
General Medicine	A	B	C	D	E	F
Nephrology	B	C	D	E	F	A
Orthopedics	C	D	E	F	A	B
Pulmonology	D	E	F	A	B	C
Gastroenterology	E	F	A	B	C	D
Patient counseling	F	A	B	C	D	E

*[Handwritten Signature]*

S.No	Batches	IV Pharm.D	S.No	Batches	V Pharm.D
1	A	20HC1T0001	5	E	20HC1T0022
		20HC1T0002			20HC1T0023
		20HC1T0004			20HC1T0024
		20HC1T0005			20HC1T0025
		20HC1T0006			20HC1T0026
2	B	20HC1T0007	6	F	20HC1T0027
		20HC1T0008			20HC1T0028
		20HC1T0009			20HC1T0029
		20HC1T0010			20HC1T0030
3	C	20HC1T0011			20HC1T0031
		20HC1T0012			
		20HC1T0013			
		20HC1T0014			
		20HC1T0015			
4	D	20HC1T0016			20HC1T0017
		20HC1T0017			
		20HC1T0018			
		20HC1T0019			
		20HC1T0020			
		20HC1T0021			

Month	Rotation Dates
Oct-Dec	31-10-22 to 15-12-22
Dec-Jan	16-12-22 to 31-01-23
Feb-Mar	01-02-23 to 15-03-23
Mar-Apr	16-03-23 to 29-04-23
Apr-Jul	29-05-23 to 15-07-23
Jul-Aug	16-07-23 to 26-08-23



CLASS INCHARGE

HOD, Department of Pharmacy Practice  
Santhiram College of Pharmacy  
NH-40, NANDYAL.

Principal  
Santhiram College of Pharmacy  
NH-40, Nandyal (Dt.), A.P.-518112

# HOSPITAL POSTINGS FOR PHARM.D IV YEAR AY 2022-23

Departments	Phase-I	Phase-II	Phase-III	Phase-IV	Phase-V	Phase-VI
General Medicine	A	B	C	D	E	F
Neurology	B	C	D	E	F	A
General Surgery	C	D	E	F	A	B
Psychiatry	D	E	F	A	B	C
Gastroenterology	E	F	A	B	C	D
Patient counselling	F	A	B	C	D	E

S.No	Batches	IV Pharm.D	S.No	Batches	V Pharm.D
1	A	19HC1T0002	5	E	19HC1T0022
		19HC1T0003			19HC1T0023
		19HC1T0004			19HC1T0024
		19HC1T0005			19HC1T0025
		19HC1T0006			19HC1T0026
2	B	19HC1T0007	6	F	19HC1T0027
		19HC1T0008			19HC1T0028
		19HC1T0009			19HC1T0029
		19HC1T0010			19HC1T0030
3	C	19HC1T0011			19HC1T0031
		19HC1T0012			
		19HC1T0013			
		19HC1T0014			
		19HC1T0015			
4	D	19HC1T0016			19HC1T0020
		19HC1T0017			19HC1T0021
		19HC1T0018			
		19HC1T0019			

Phases	Rotation Dates
Phase-I	01.07.2022 to 14.08.2022
Phase-II	15.08.2022 to 30.09.2022
Phase-III	01.10.2022 to 14.11.2022
Phase-IV	15.11.2022 to 30.12.2022
Phase-V	02.01.2023 to 14.02.2023
Phase-VI	15.02.2023 to 25.03.2023



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*Handwritten signature in black ink.*

*Handwritten signature in black ink.*

Head of the Department  
Department of Pharmacy Practice  
Santhiram College of Pharmacy  
NH-40, NANDYAL.

Principal  
Santhiram College of Pharmacy  
NH-40, NANDYAL

Medical Superintendent  
Santhiram Medical College  
& General Hospital  
NH-40, NANDYAL-518 501  
Kumool Dist, A.P.

PRINCIPAL



# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

## HOSPITAL POSTING SCHEDULE FOR PHARM.D VINTERS YEAR AY: 2022-23



S.No	Regd. No	Name of the Student	MEDICINE ( 6 MONTHS)														
FIRST SPELL			27.06.22-30.06.22	27.07.22-30.07.22	27.08.22-30.08.22	G.SURGERY	SKIN&VD	PEADRIATICS	ORC	PSYCHIATRY	ORTHOPAEDS						
1	17HC1T0001	AVILA SARASWATHI	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	*****	27.11.22-30.07.23	27.02.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
2	17HC1T0002	B VENKATA BHARATH REDDY	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.11.22-30.07.23	27.02.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23
3	17HC1T0003	ROGGARAPU HARINIRAN	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.02.23-26.08.23	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
4	17HC1T0004	C ANARAVATHI SAI CHANDANA	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.11.22-30.07.23	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
5	17HC1T0005	DAPPII SRINATH REDDY	GENERAL MEDICINE	PHARMACOLOGY	PEADRIATICS	27.02.23-26.08.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
6	17HC1T0006	DEDEKULA SIDDHA HUSSANI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.04.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
7	17HC1T0007	G CHANDANA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.02.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
8	17HC1T0008	JYOTHI HARI THEJA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.04.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
9	17HC1T0009	KAMINI POOJITHA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.04.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
10	17HC1T0010	KATKA SHAHEEN	PHARMACOLOGY	ORTHOPAEDICS	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
11	17HC1T0011	KETHAPALI HARITHA	PHARMACOLOGY	ORTHOPAEDICS	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
12	17HC1T0012	K.SAI SHANUGA SHARMA	PHARMACOLOGY	PSYCHIATRY	GENERAL MEDICINE	27.11.22-30.07.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
13	17HC1T0014	MANDAKALA MALANASHA	PHARMACOLOGY	PSYCHIATRY	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
SECOND SPELL			27.11.22-30.07.23	27.02.23-26.08.23	27.04.23-26.08.23	G.SURGERY	SKIN&VD	PEADRIATICS	ORC	PSYCHIATRY	ORTHOPAEDS						
14	17HC1T0015	MIDDE SRIVANI	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
15	17HC1T0016	MUTHUKURI AREEF	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
16	17HC1T0018	N VANU NA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
17	17HC1T0019	NADDIMULA SHAH KANISHA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
18	17HC1T0020	NALABOTHULA SAI KAVYA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
19	17HC1T0021	N SHAH JAWAD HUSSAIN	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
20	17HC1T0022	POLAMADA ALERTHI PRIYA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
21	17HC1T0023	POTHIREDDY S DEESHA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
22	17HC1T0024	SARASWATHI DIVYA TEJA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
23	17HC1T0025	SHAH SHAFINA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
24	17HC1T0026	SHAH YASMIN	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
25	17HC1T0027	SOMALA VAANTHINI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
26	17HC1T0028	SURIRETTY SAI HARSHINI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
27	17HC1T0029	V S L NAGAVANA REDDY	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
28	16Y01T0022	S SHARMA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****

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# SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

## HOSPITAL POSTING SCHEDULE FOR PHARM.D VIGNTERS, YEAR AY: 2022-23



S.No	Regd. No	Name of the Student	MEDICINE ( 6 MONTHS)														
FIRST SPELL			27.06.22-30.06.22	27.07.22-30.07.22	27.08.22-30.08.22	G.SURGERY	SKIN&VD	PEADRIATICS	ORC	PSYCHIATRY	ORTHOPAEDS						
1	17HC1T0001	AVILA SARASWATHI	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	*****	27.11.22-30.07.23	27.02.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
2	17HC1T0002	B VENKATA BHARATH REDDY	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.11.22-30.07.23	27.02.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23
3	17HC1T0003	ROGGARAPU HARINIRAN	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.02.23-26.08.23	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
4	17HC1T0004	C ANARAVATHI SAI CHANDANA	GENERAL MEDICINE	PHARMACOLOGY	ORTHOPAEDICS	27.11.22-30.07.23	*****	27.02.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
5	17HC1T0005	DAPPILI SRINATH REDDY	GENERAL MEDICINE	PHARMACOLOGY	PEADRIATICS	27.11.22-30.07.23	*****	*****	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
6	17HC1T0006	DEDEKULA SIDDHA HUSSANI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.04.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
7	17HC1T0007	G CHANDANA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.02.23-26.08.23	27.11.22-30.07.23	27.02.23-26.08.23	27.02.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23	27.04.23-26.08.23
8	17HC1T0008	JYOTHI HARITHA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.04.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
9	17HC1T0009	KAMINI POOJITHA	PSYCHIATRY	GENERAL MEDICINE	ORTHOPAEDICS	27.02.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
10	17HC1T0010	KATKA SHAHEEN	PHARMACOLOGY	ORTHOPAEDICS	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
11	17HC1T0011	KETHAPALI HARITHA	PHARMACOLOGY	ORTHOPAEDICS	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
12	17HC1T0012	K.SAI SHANUGA SHAHMA	PHARMACOLOGY	PSYCHIATRY	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
13	17HC1T0014	MANDAKALA MALANASHA	PHARMACOLOGY	PSYCHIATRY	GENERAL MEDICINE	27.02.23-26.08.23	*****	*****	*****	27.11.22-30.07.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****	27.04.23-26.08.23	*****
<b>SECOND SPELL</b>			<b>27.11.22-30.07.23</b>	<b>27.02.23-26.08.23</b>	<b>27.04.23-26.08.23</b>	<b>G.SURGERY</b>	<b>SKIN&amp;VD</b>	<b>PEADRIATICS</b>	<b>ORC</b>	<b>PSYCHIATRY</b>	<b>ORTHOPAEDS</b>						
14	17HC1T0015	MIDDE SRIVANI	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
15	17HC1T0016	MUTHUKURI AREEF	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
16	17HC1T0018	N VANU NA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
17	17HC1T0019	NADDIMULA SHAH KANISHA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
18	17HC1T0020	NALABOTHULA SAI KAVYA	GENERAL MEDICINE	PHARMACOLOGY	PSYCHIATRY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
19	17HC1T0021	N SHAH JAWAD HUSSAIN	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
20	17HC1T0022	POLAMADA ALERTHI PRIYA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
21	17HC1T0023	POTHIREDDY S DEESHA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
22	17HC1T0024	SARASWATHI DIVYA TEJA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
23	17HC1T0025	SHAH SHAFINA	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
24	17HC1T0026	SHAH YASMIN	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
25	17HC1T0027	SOMALA VAATHIBI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
26	17HC1T0028	SURISSETTY SAI HARSHINI	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
27	17HC1T0029	V S L NAGAVANA REDDY	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.10.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****
28	16Y01T0027	S SHARBAJ	PSYCHIATRY	GENERAL MEDICINE	PHARMACOLOGY	27.06.22-26.08.22	*****	*****	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****	27.06.22-26.08.22	*****

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