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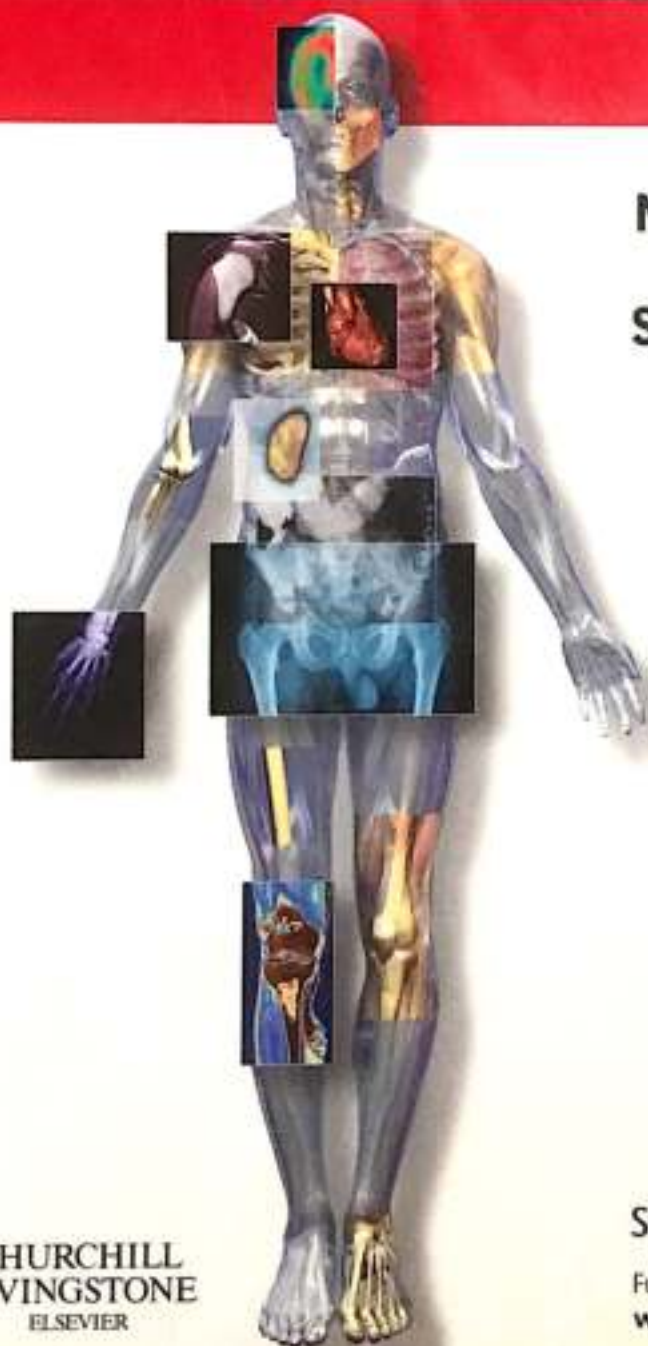
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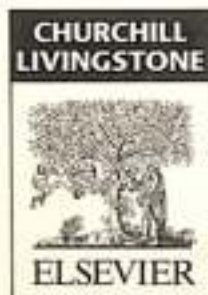
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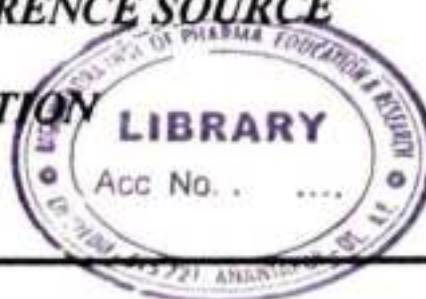


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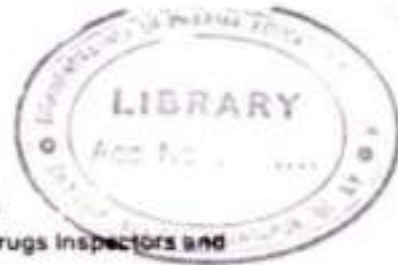
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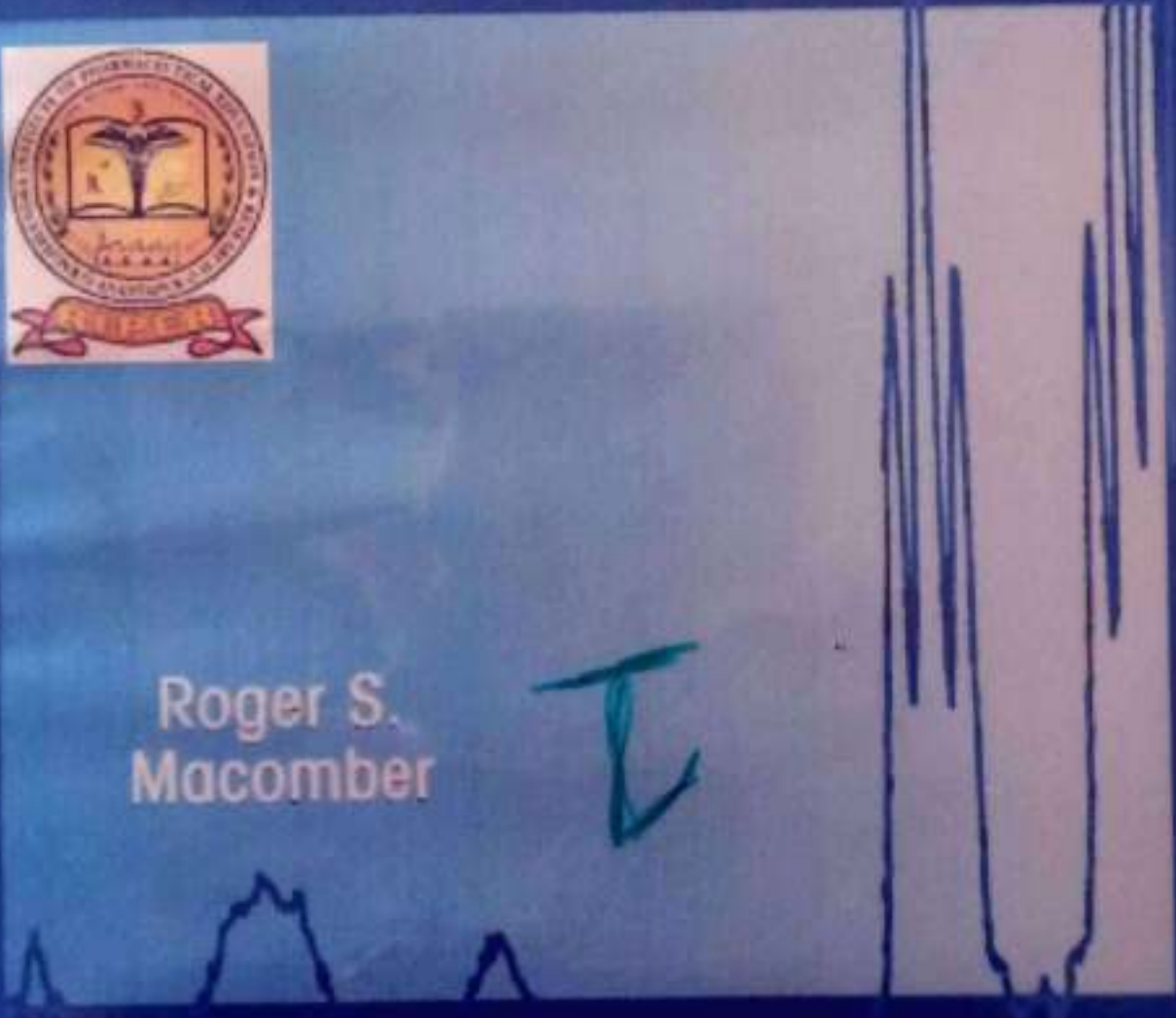
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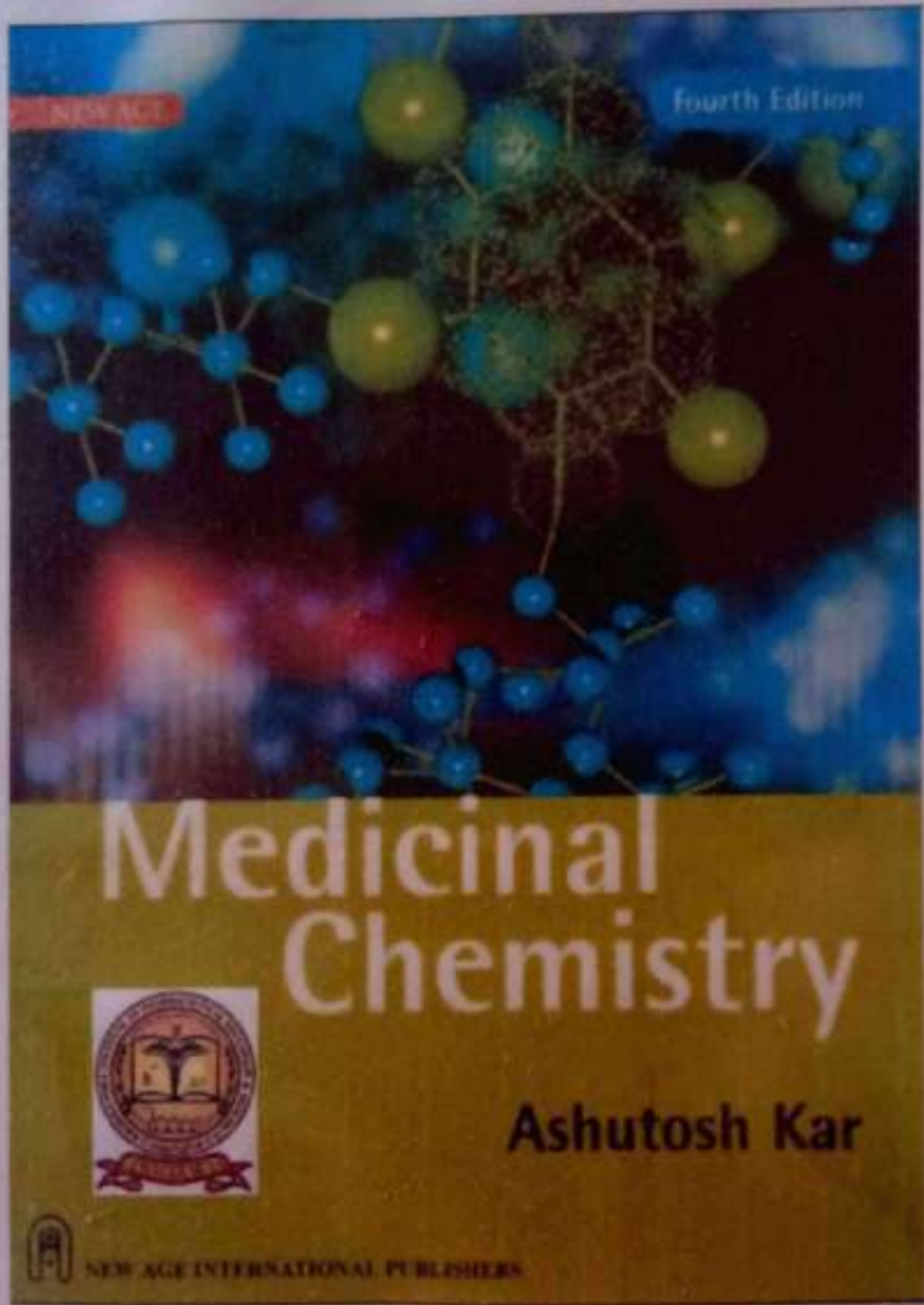
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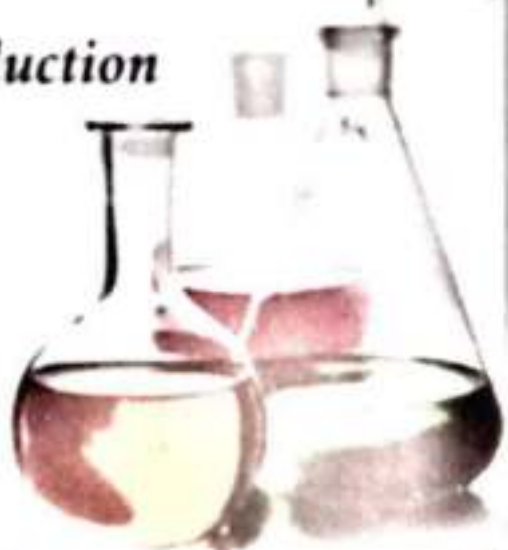
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39	A. Charitha	22L81R0014	B-pharm	1:45	2:40	Charitha
40	D. Harika	22L81R0027	B-pharm	1:45	2:40	Harika
41	A. Meghana	22L81R0047	B-pharm	1:45	2:40	Meghana
42	K. Kowar	22L81R0036	B-pharm	1:45	2:40	Kowar
43	K. Haritha Raj	" 28	"	1:45	2:40	Haritha Raj
44	P. Maulika	22L81R0050	1st B-pharm	1:45	2:40	Maulika
45	R. Abhigna	22L81R0001	B-pharm	1:45	2:30	Abhigna
46	G. Krowthami	22L81R0021	B-pharm	1:45	2:35	Krowthami
47	D. Shanu	19281R0032	B-pharm	1:45	2:40	Shanu
48	G. Chethanasrisai	22L81R0015	B-pharm	1:50	2:40	Chethanasrisai
49	K. Karthik	22L81R0038	B-pharm	2:00	2:40	K. Karthik
50	B. Abhishek	22L81R0003	B-pharm	2:00	2:30	Abhishek
51	K. Anjaneyulu	22L81R0008	B-pharm	2:00	2:30	Anjaneyulu
52	D. Preethi	22L81R0060	I.B-pharm	2:40	2:45	Preethi
53	O. Shruthi	22L81R0081	I.B-pharm	2:40	2:45	O. Shruthi
54	K. Sai Baby	22L81R0068	I.B-pharm	2:40	2:45	K. Sai Baby
55	Sonu	22L81R0082	I.B-pharm	2:40	2:45	Sonu
56	K. Kavishma	22L81R0038	B-pharm II	2:40	2:45	Kavishma
57	Y. Rasmanjari	22L81R0067	B-pharm 1st	2:40	3:40	Rasmanjari
58	C. Mithyasha	22L81R0053	B-pharm 1st	2:40	3:00	Mithyasha
59	S. Yashu	22L81R0016	pharmD	2:40	3:00	Yashu
60	T. Phareendra	22L81R0015	1st pharmD	3:00	4:00	Phareendra
61	M. Poorvima	22L81R0059	B-pharm	3:00	3:05	Poorvima
62	M. Sri Lakshmi	22L81R0066	1st B-pharm	3:10	3:40	Sri Lakshmi



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Date :

S.No.	Name of the Student	Roll No	Course	in time	out time	Signature
42	S. Hameed Qureshi	2018170007	Pharm.D	3:40	3:42	[Signature]
43	S. Manjashree	2218170010	Pharm.D-1 st	8:55	4:00	Smang
44	S. Charan Kumar	2218170006	Pharm.D-1 st	4:00	4:10	S. Charan
45	P. Mrunal	2218170011	Pharm.D-1 st	4:00	4:10	[Signature]
46	K. Vijayalakshmi	2218170025	Pharm.D-1 st	4:00	4:10	[Signature]
48	V. Veeshnavi	2218170026	1 st Pharm.D	4:10	4:20	V. Veeshnavi
48	S. Chaitravi	2218170025	1 st Pharm.D	4:10	4:20	S. Chaitravi
49	N. Rishika	2018170007	III rd Pharm.D	4:20	4:25	[Signature]
21-03-2023						
01	S. Abdul Rehmani	2118170001	I st B.Pharm	8:55	9:45	[Signature]
02	M. Sai Shashank	2218170018	I st Pharm.D	9:05	9:10	M. Sai Shashank
03	S. Manjashree	2218170010	I st Pharm.D	9:25	10:00	Smang
04	M. Habeeba	2018170006	II nd Pharm.D	10:00	10:15	[Signature]
05	P. Sreevani	2018170006	III rd Pharm.D	10:00	10:15	[Signature]
06	K. Harsha Priya	2018170008	III rd Pharm.D	10:05	10:15	K. Harsha
07	K. Saravanya	2018170021	III rd Pharm.D	10:05	10:15	K. Saravanya
08	B. Divya Sree	2018170005	IV th Pharm.D	10:20	10:40	B. Divya
09	R. Manu	2018170008	III rd Pharm.D	10:20	10:40	Manu
10	Ramcha	2018170020	III rd Pharm.D	10:20	10:40	Ramcha
11	G. V. Shreevi	2018170029	III rd Pharm.D	10:25	10:35	G. V. Shreevi
12	Sreevani	2018170026	III rd Pharm.D	10:25	10:35	[Signature]
13	Madhusri	2018170031	III rd Pharm.D	10:25	11:00	Madhusri
14	Habeeba	2018170006	IV th Pharm.D	10:25	10:35	[Signature]
15	T. Deepa	1918170006	V th Pharm.D	10:30	11:30	T. Deepa
16	D. Saipeera	1918170024	V th Pharm.D	10:30	11:30	D. Saipeera
17	S. Sreeraj	2018170005	III rd Pharm.D	10:30	10:40	[Signature]
18	D. Ramesh Reddy	2018170019	III rd Pharm.D	10:30	10:40	[Signature]
19	M. Vedha Lakshmi	2118170025	III rd Pharm.D	10:30	10:40	[Signature]
20	M. Arinmalan	2118170004	III rd Pharm.D	10:30	12:00	[Signature]
21	C. Ananthamma	2118170012	III rd Pharm.D	11:20	11:20	[Signature]
				11:20	11:22	[Signature]



RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH (RIPER) LIBRARY ENTRY REGISTER

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Date :

S.No.	Name of the Student	Roll No	Course	in time	out time	Signature
63	K. Sheshadri	22181R0074	3:00	3:40	4:00	[Signature]
64	M. Sreelakshmi	22181R0086	3:05	3:40	4:00	[Signature]
65	V. Sowmya	22181R0083	3:05	3:35	4:00	[Signature]
66	D. Sravani	22181R0084	3:05	3:35	4:00	[Signature]
67	K. Sruthi	22181R0087	3:05	3:35	4:20	[Signature]
68	M. Rajarshan	22181R0063	3:05	3:35	4:10	[Signature]
68	E. Thanun	22181R0075	3:05	3:55	4:10	[Signature]
69	C. Narendran Kumar	21281R0012	3:10	3:35	4:30	[Signature]
70	Chandra	18281R0024	3:10	3:35	4:00	[Signature]
71	B. Sainath	22181R0072	3:15	3:35	4:30	[Signature]
17-04-2023						
01	M. Waseem Taj	21181R0045	II nd Pharm	9:10	11:15	[Signature]
02	Nareish	22181R0012	II nd Pharm	9:12	9:30	[Signature]
03	T. Sangella	21181R0013	Pharm D ^{III}	9:20	10:00	[Signature]
04	T. A. Anuswathi	21181R0056	Pharm D ^{III}	9:20	10:00	[Signature]
05	Shruthi	20181R0037	Pharm D ^{III}	9:25	11:00	[Signature]
06	Rajika	20181R0048	Pharm D ^{III}	9:25	11:00	[Signature]
07	K. Mounika	21181R0052	Pharm D ^{III}	9:25	12:00	[Signature]
08	Reshma	21181R0051	Pharm D ^{III}	9:25	12:00	[Signature]
09	Kavya	22181R0008	Pharm D ^{III}	9:30	10:00	[Signature]
10	S. Seikathik	22181R0077	Pharm D ^{III}	9:35	11:00	[Signature]
11	Michaela	2319-04-007	I st Pharm	10:00	11:00	[Signature]
12	R. Mahima	2319-04-008	I st Pharm	10:00	11:00	[Signature]
13	K. Pavan	24181R0061	II nd Pharm	10:10	11:45	[Signature]
14	S. Kalyan	21181R0027	II nd Pharm	10:40	10:55	[Signature]
15	G. Yoga	21181R0031	II nd Pharm	10:40	10:55	[Signature]
16	Kalambhar	20181R0015	III rd Pharm	10:50	11:00	[Signature]
17	G. Nagalakshmi	21181R0049	III rd Pharm	10:50	11:30	[Signature]
18	B. Rajitha	20181R0014	III rd Pharm	10:50	11:30	[Signature]
19	K. Ananya	20181R0031	III rd Pharm	10:50	11:30	[Signature]



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Date :

S.No	Name of the Student	Roll No	Course	in time	out time	Signature
20	R. Nithya Devi	2118180059	B-pharm I	12:00	12:55	[Signature]
21	Praveen Reddy	2118180056	I st Yr	12:25	1:00	[Signature]
22	P. Divi	2218180017	B-pharm I	12:30	12:55	[Signature]
23	James P. Reddy	2218180051	B-pharm I	12:50	1:40	[Signature]
<u>18-01-2023</u>						
01	M. Wasantha Raj	2118180093	I st B-pharm	9:10	11:45	[Signature]
02	C. Manika	2118180067	III B-pharm	10:25	10:40	[Signature]
03	B. Karva	2218180008	M st Pharm	11:10	11:15	[Signature]
04	K. Piyush	2218180061	I st B-pharm	12:10	12:40	[Signature]
05	Manish Kumar	2218180077	I st B-pharm	12:10	12:25	[Signature]
06	J. Deepika	2118180033	I st B-pharm	12:50	13:32	[Signature]
07	K. V. Anja Prasad	2218180061	B-pharm I	12:30	12:35	[Signature]
08	S. Tamanna Tahir	2218180093	B-pharm I	12:30	12:38	[Signature]
09	K. Harsha Priya	2018180008	III - Pharm	12:30	12:42	[Signature]
10	T. Rajith Reddy	2118180016	B-pharm I	1:45	1:50	[Signature]
11	T. Dil. Paul Reddy	2118180016	B-pharm I	1:45	1:50	[Signature]
12	M. Praveen Reddy	2118180036	III - Pharm	1:50	2:50	[Signature]
13	M. Reemka Devi	2118180018	III rd Year	1:10	2:10	[Signature]
14	G. Saunika	2118180035	B-pharm I	1:10	2:10	[Signature]
15	C. Chandana	2118180066	II nd Pharm-D	2:00	3:00	[Signature]
16	C. Lakshmi Sree	2118180009	II nd Pharm-D	2:00	3:00	[Signature]
17	T. Anurthe	2118180002	II nd Pharm-D	2:00	3:00	[Signature]
18	Ragabhavani. K	2118180007	II nd Pharm-D	2:00	3:15	[Signature]
19	Ranjith	2118180016	II nd Pharm-D	2:10	3:15	[Signature]
20	K. Sravani	2018180022	II nd Pharm-D	2:10	3:20	[Signature]
21	Madhavi	2018180031	III rd Pharm-D	2:10	3:20	[Signature]
22	Nishay	2018180014	III rd Pharm-D	2:10	3:30	[Signature]
23	Pooja	2018180019	III rd Pharm-D	2:20	3:30	[Signature]
24	Ramya	2018180020	III rd Pharm-D	2:20	3:30	[Signature]
25	R. Manu	2018180011	III rd Pharm-D	2:30	3:30	[Signature]



RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH (RIPER) LIBRARY ENTRY REGISTER

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Date :

S.No.	Name of the Student	Roll No	Course	in time	out time	Signature
26	K.D.K. Paul Rai	2112170016	Pharm D	2:30	2:40	[Signature]
27	M. Suresh Babu	2112170012	Pharm D	2:30	3:40	[Signature]
28	M. Hameeda	2018170006	Pharm D	2:30	2:40	[Signature]
29	P. Sreevani	2018170024	Pharm D	2:30	3:40	[Signature]
30	P. Atul	2018170016	Pharm D	2:30	3:40	[Signature]
31	C. Suman	2112170011	Pharm D	2:50	3:40	[Signature]
32	Palanipati	2018170033	III B.Ph	3:40	3:45	[Signature]
33	ganesha	2018170021	III B.Ph	3:40	3:45	[Signature]
19-04-2023						
01	V. Anitha	2218170022	B.Pharm	9:10	11:50	[Signature]
02	P. Anitha	2218170058	B.Pharm	9:10	11:50	[Signature]
03	L. Anitha	2218170023	B.Pharm	9:10	11:50	[Signature]
04	I. Suman	2112170050	Pharm D	9:20	10:00	[Signature]
05	H. Suman	2018170074	B.Pharm	9:50	10:00	[Signature]
06	B. Divya	2018170005	Pharm D	9:50	10:10	[Signature]
07	R. Manu	2018170011	Pharm D	9:50	10:10	[Signature]
08	K. Hemant Kumar	2018170004	Pharm D	9:50	10:10	[Signature]
09	T. Rajith Reddy	2112170016	Pharm D	10:10	11:00	[Signature]
10	M. Chandrababu Naidu	2112170005	Pharm D	10:10	10:50	[Signature]
11	T.D.K. Paul Rai	2112170014	Pharm D	10:20	12:00	[Signature]
12	C. Sumanjitha	2112170011	B.Pharm	10:20	11:00	[Signature]
13	N. Nagalakshmi	2018170018	Pharm D	10:30	1:00	[Signature]
14	J. Anitha	2018170015	Pharm D	10:40	1:00	[Signature]
15	A. Chandra Mohan	2018170001	Pharm D	11:20	1:00	[Signature]
16	S. Anitha Reddy	2018170014	Pharm D	11:20	12:00	[Signature]
17	D. Sreedhar	2018170001	Pharm D	12:00	12:30	[Signature]
18	G. Anitha	2018170011	B.Pharm	12:20	12:30	[Signature]
19	K. Pajesh	2018170050	Pharm D	12:10	1:00	[Signature]
20	S. Suman	2018170011	Pharm D	12:10	12:30	[Signature]
21	B. Divya	2018170005	Pharm D	12:20	12:30	[Signature]



RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH (RIPER) LIBRARY ENTRY REGISTER

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Date :

S.No.	Name of the Student	Roll No	Course	in time	out time	Signature
22.	M. Sreelakshmi	22181R0086	1 st B.Pharm	12:30	12:30	Prasanna
23	J. Priyadarshini	22181R0059	1 st B.Pharm	12:30	12:45	Prasanna
24	B. Supriya	22181R0001	1 st B.Pharm	12:38	12:40	B. Supriya
25	J. Lakshmi	22181R0089	2 nd B.Pharm	12:36	12:40	Prasanna
26	R. Akhila	22181R0001	5 th B.Pharm	12:36	12:40	Prasanna
27.	R. Ananya	20181R0001	3 rd B.Pharm	12:38	1:40	R. Ananya
28	P. Anshu Kumari	20181R0006	2 nd B.Pharm	12:40	2:40	Anshu
29	P. Akshaya	20181R0002	5 th B.Pharm	12:40	1:50	Prasanna
30	K. Divyashree	20181R0000	5 th B.Pharm	12:40	1:40	Prasanna
31	T. Prudhvi	20181R0002	2 nd B.Pharm	1:00	1:00	Prasanna
32	N. Manasa	20181R0041	3 rd B.Pharm	12:50	1:15	N. Manasa
33	G. Mythi	20181R0048	3 rd B.Pharm	12:50	1:15	Mythi
34.	V. Janyalatha	20181R0025	5 th B.Pharm	12:55	1:00	V. Janyalatha
35	M. Udaya Lakshmi	20181R0086	1 st B.Pharm	1:11	2:30	Prasanna
36	G. Jagadekshi	20181R0049	1 st B.Pharm	2:20	3:40	Prasanna
37.	K. Lavanya	20181R0036	1 st B.Pharm	2:40	2:45	Prasanna
38.	D. Anshika	21181R0001	1 st B.Pharm	2:10	2:45	Anshika
39.	I. A. S. N. Swathi	21181R0056	B.Pharm	2:00	3:30	Prasanna
40	B. Abid Hussain	20181R0004	B. Pharm	2:50	3:05	Anshika
41	P. Anhil Sanyal	21181R0006	B. Pharm	3:00	3:05	Prasanna
42	K. Divya	21181R0019	B. Pharm	3:00	2:05	K. Divya
43.	T. Satish	2218150302	1 st B.Pharm	3:00	2:10	T. Satish
44	C. Renuka	20181R0068	B. Pharm	3:05	3:35	Prasanna
45	J. Thane Srija	20181R0085	B. Pharm	3:15	3:35	Prasanna
20-04-2023						
01	N. Purnima	2111R-PH-037	1 st B.Pharm	9:20	9:30	N. Purnima
02	M. Sushrutha	2111R-PH-60	1 st B.Pharm	9:20	9:30	Sushrutha
03	P. Thejaswini	2111R-PH-60	1 st B.Pharm	9:20	9:30	Thejaswini
04	B. Babaiswari	2111R-PH-003	1 st B.Pharm	9:20	9:30	B. Babaiswari
05	V. Raja Rajeshwari	20181R0063	1 st B.Pharm	9:45	10:5	V. Raja

148 13-04-2023

01 R. Maddalet Asst. prof 1:00 pm 1:45 pm Reddy

15-04-2023

01 A. Sudheer Asst. Prof 10:20 10:30 AS

17/04/2023

01 G. USHAAREE Asst. prof 3:45 PM 4:20 U. S. Reddy
02 E. Bhargava Asst. Prof. 3:50 PM 4:25

20/04/2023

01 C. Sunil Kumar Asst. Prof. 10:30 am 11:00 pm S

27-04-2023

01 Shaik Nuzehat Asst. prof 11:30 am 11:40 am Nuzehat
02 S. Charithra Asst. prof 3:30 pm 3:45 pm CL

29-04-2023

01 B. Nagarshu Asst. pro 12:50 1:00 B

05-05-2023

01 B. Nagarshu Assit. pro 9:45 10:10 B

09.05.2023

01 V. Lakshmi prasanna Assit. profesor 11:30 V. Lakshmi
02 G. Anandayama Ass. it profesor 3:00 pm G

24.05.23

01 Q. reddalet Asst. prof 9:42 9:47 Reddy

30

01 G. USHAAREE Prof. Profem 3:10 pm G. U. S. Reddy

01-12-2022

01 Shaik Neelkott Asst prof. 10.50 11.00 Neelkott

06-12-2022

1 S. Praveenkumar Asst Prof 9:45 9:50 St.
2 E. Bhargava Asst. prof. 12:55 1:00pm St.

7/12/22

1. K. Srijali Asst. prof. 9:15 am 9:30 am St.

08/12/2022

01 S. Praveenkumar Asst. prof. 10:45 Am 11:00 St.
Shaik Neelkott Asst. prof 11.10 Am 12.15pm Neelkott
Shaik Neelkott Asst. prof 2.30 Am 3.35 pm Neelkott

12-12-2022

01 P. Sreedhar Asst. prof. 9:30 am 9:55 Am St.
02 P. Sreedhar Asst. Prof 9:20 Am 9:35 Am St.
03 U. V. C. Asst. prof. 11:00 AM 12:00 pm St.
04 G. K. R. Asst. professor 11:45 AM 12:00 pm St.
05 S. Shrinani Asst. prof. 12:15 AM 12:30 pm St.
06. B. Pranav bhargava Asst. Professor 01:45 pm 2:10 pm St.

20-12-2022

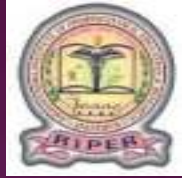
01 L. Parimala Asst-Professor 9:20 A.M 9:20 L. Parimal

21-12-2022

01 K. Laxma Naik Asst prof 9:40 AM 10:30 AM St.
02 G. Usharani Asst prof 9:45 AM 10:25 AM St.
03 R. Narayan Asst prof 9:45 AM 10:30 AM St.
4 S. Praveenkumar Asst. prof. 9:48 AM 10:30 AM St.

29.12.2022

01 Shaik Neelkott Asst. prof 11.10 am 12.00 pm Neelkott
S. Praveenkumar Asst prof 2:30 pm 3:00 pm St.



Case Presentation

on

“Gestational Hypertension with Pre eclampsia”

Presented By:

V.Kavitha

17L81T0008

Pharm D 5th Year

Department of Pharmacy Practice
Raghavendra Institute of
Pharmaceutical Education and Research



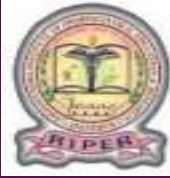
Mrs.XYZ had been referred from Puttaparthi in view of high BP reading, severe pedal edema and unavailability of NICU beds.

- Gestation of 30 weeks+4 days



Patient Demographic Details:

Patient Name : XYZ
Gender : Female
Age : 21 yrs
DOB : 7-08-2000
Height : 159 cm
Weight : 55 kg
Ward/Unit : OBG - 6
DOA : 17.12.2021
IP/BP ID No : BP19000557
Language : Telugu



Department of Pharmacy Practice

Raghavendra Institute of
Pharmaceutical Education and Research



Vicente Ferrer

**Caregivers' Willingness to Vaccinate Their
Children Against COVID-19 in Saudi Arabia: A
Cross-Sectional Survey**

Zainab Almusbah , Zahraa Alhajji , Zahraa Alshayeb , Rania Alhabdan ,
Sukainah Alghafli ,
Mohammed Almusabah , Fatimah Almuqarrab , Isra Aljazeera , Fida
Almuhawas.

Presented by:
C. Anu Reddy
17L81T0002
5th Pharm. D



CONTENTS :

- Introduction
- AIM
- Study design
- Study site
- Study population
- Study period
- Study criteria:
 1. Inclusion criteria
 2. Exclusion criteria
- Methods
- Procedure
- Statistics
- Result
- Conclusion
- Reference



INTRODUCTION:

- COVID-19 was first reported to the WHO on December 31, 2019, in Wuhan City, Hubei Province, China.
- On March 11, 2020, the WHO declared COVID-19 as a global pandemic [1,2]. Since then, protective measures have been instituted worldwide to control the spread of the disease. For any infectious disease, the availability of safe and effective vaccines is important for establishing herd immunity and preventing infection spread [3]. At the time of writing this paper, at least seven vaccines were approved by most Countries.



DRUG CLUB

A DRUG PROFILE ON ADUCANUMAB-AVWA

RIPER
AUTONOMOUS
NAAC &
NBA (UG)
SIRO- DSIR

Presented by,
R. Haritha
(17L81T0007)

Department of Pharmacy Practice
**Raghavendra Institute of Pharmaceutical Education
and Research (RIPER), Anantapur**



Raghavendra Institute of Pharmaceutical Education and Research - Autonomous
K.R.Palli Cross, Chiyvedu, Anantapuramu, A. P- 515721

Brand name: Aduhelm

Generic name: aducanumab-avwa

FDA Approved: Yes (First approved 2021)

Company: : Biogen Inc.,

Dosage form: Injection

Treatment for: Alzheimer's disease



Mechanism of Action:

- Aducanumab-avwa is a human, immunoglobulin gamma 1 (IgG1) monoclonal antibody directed against aggregated soluble and insoluble forms of amyloid beta.
- The accumulation of amyloid beta plaques in the brain is a defining pathophysiological feature of Alzheimer's disease.
- ADUHELM reduces amyloid beta plaques, as evaluated in Studies 1, 2, and 3.





Raghavendra

Institute of Pharmaceutical Education and Research (RIPER) – Autonomous
NBA (UG), NAAC 'A' Accredited Institution & Accorded 2(I), 12(B) status of UGC Act 1956
SIRO by DSIR, K.R.Palli Cross, Ananthapuramu, Andhra Pradesh – 515771



92nd
Rank

Congratulations to Our **GPAT Rankers – 2023**



K. Haripriya
Rank - 3103



N. Vamshidhar Reddy
Rank - 3600



M. Shirisha
Rank - 4000



B. Lokesh Naik
Rank - 13898



S. Bhanu Teja Naik
Rank - 16419



S.I.Rajyalakshmi
Rank - 26484

From

Dr. Y. Padmanabha Reddy
Management, Teaching, Nonteaching
staff and Students

GUEST LECTURE



HMV8+FXQ, Anantapur, Andhra Pradesh 515721, India

Anantapur
Andhra Pradesh
India



38°C

100°F

2023-05-18(Thu) 12:14(pm)



GUEST LECTURE



TEACHING PLAN

Pharmaceutical Jurisprudence (B. Pharm)

Week	Hours	Unit	Contents	hours consumed
Week 1	4 h	1	Drugs and Cosmetics Act, 1940 and its rules 1945: Objectives, Definitions, Legal definitions of schedules to the Act and Rules. Import of drugs – Classes of drugs and cosmetics prohibited from import, Import under license or permit. Offences and penalties.	3
Week 2	4 h	1	Manufacture of drugs – Prohibition of manufacture and sale of certain drugs	4
Week 3	4 h	1	Conditions for grant of license and conditions of license for manufacture of drugs, Manufacture of drugs for test, examination and analysis, manufacture of new drug, loan license and repacking license.	2
Week 4	4 h	2	Drugs and Cosmetics Act, 1940 and its rules 1945. Detailed study of Schedule G, H, M, N	4
Week 5	4 h	2	P,T,U, V, X, Y, Part XII B,	4
Week 6	4 h	2	Sch F & DMR (OA) Sale of Drugs – Wholesale, Retail sale and Restricted license. Offences and penalties	4
Week 7	4 h	2	Labeling & Packing of drugs- General labeling requirements and specimen labels for drugs and cosmetics, List of permitted colors. Offences and penalties. Administration of the Act and Rules – Drugs Technical Advisory Board, Central drugs Laboratory, Drugs Consultative Committee, Government drug analysts, Licensing authorities, controlling authorities, Drugs Inspectors	6
Week 8	4 h	3	Pharmacy Act –1948: Objectives, Definitions, Pharmacy Council of India; its constitution and functions, Education Regulations, State and Joint state pharmacy councils; constitution and functions, Registration of Pharmacists, Offences and penalties.	3
Week 9	4 h	3	Medicinal and Toilet Preparation Act –1955: Objectives, Definitions, Licensing, Manufacture In bond and Outside bond, Export of alcoholic preparations, Manufacture of Ayurvedic, Homeopathic, Patent & Proprietary Preparations. Offences and Penalties.	4
Week 10	4 h	3	Narcotic Drugs and Psychotropic substances Act-1985 and Rules: Objectives, Definitions, Authorities and Officers, Constitution and Functions of narcotic	5

			& Psychotropic Consultative Committee, National Fund for Controlling the Drug Abuse, Prohibition, Control and Regulation, opium poppy cultivation and production of poppy straw, manufacture, sale and export of opium, Offences and Penalties	
Week 11	4 h	4	Study of Salient Features of Drugs and Magic Remedies Act and its rules: Objectives, Definitions, Prohibition of certain advertisements, Classes of Exempted advertisements, Offences and Penalties	4
Week 12	4 h	4	Prevention of Cruelty to animals Act-1960: Objectives, Definitions, Institutional Animal Ethics Committee, CPCSEA guidelines for Breeding and Stocking of Animals, Performance of Experiments, Transfer and acquisition of animals for experiment, 135 Records, Power to suspend or revoke registration, Offences and Penalties	4
Week 13	4 h	4	National Pharmaceutical Pricing Authority: Drugs Price Control Order (DPCO)-2013. Objectives, Definitions, Sale prices of bulk drugs, Retail price of formulations, Retail price and ceiling price of scheduled formulations, National List of Essential Medicines (NLEM)	4
Week 14	4 h	5	Pharmaceutical Legislations – A brief review, Introduction, Study of drugs enquiry committee, Health survey and development committee, Hathi committee and Mudaliar committee, Code of Pharmaceutical ethics Definition, Pharmacist in relation to his job, trade, medical profession and his profession, Pharmacist's oath	4
Week 15	4h	5	Medical Termination of Pregnancy Act Right to Information Act Introduction to Intellectual Property Rights (IPR)	5
Week 16	4h		Revision	

Computer applications (B. Pharm)

Week	Hours	Unit	Contents	hours consumed
Week 1	3h	1	Number system: Binary number system, Decimal number system, Octal number system, Hexadecimal number systems,	3
Week 2	3h	1	conversion decimal to binary, binary to decimal, octal to binary etc, binary addition, binary subtraction – One's complement ,Two's complement method, binary multiplication, binary division	3
Week 3	3h	1	Concept of Information Systems and Software : Information gathering, requirement and feasibility analysis, data flow diagrams, process specifications, input/output design, process life cycle, planning and managing the project	3
Week 4	3h	2	Web technologies: Introduction to HTML, XML,CSS and Programming languages,	3
Week 5	3h	2	Introduction to web servers and Server Products Introduction to databases, MYSQL, MS ACCESS, Pharmacy Drug database	3
Week 6	3h	3	Application of computers in Pharmacy – Drug information storage and retrieval, Pharmacokinetics, Mathematical model in Drug design, Hospital and Clinical Pharmacy	3
Week 7	3h	3	Electronic Prescribing and discharge (EP) systems, barcode medicine identification and automated dispensing of drugs.	3
Week 8	3h	3	Mobile technology and adherence monitoring Diagnostic System, Lab-diagnostic System, Patient Monitoring System, Pharma Information System	3
Week 9	3h	4	Bioinformatics: Introduction, Objective of Bioinformatics, Bioinformatics Databases, Concept of Bioinformatics,	3
Week 10	3h	4	Impact of Bioinformatics in Vaccine Discovery	2

Week 11	3h	5	Computers as data analysis in Preclinical development: Chromatographic data analysis(CDS)	3
Week 12	3h	5	Laboratory Information management System (LIMS) and Text Information Management System(TIMs)	3
Week 16	3h	--	Revision	

Pharmaceutics (Pharm D)

Week	Topics	No. of hours	Hours Consumed
I (3 weeks)	Introduction to dosage forms, Prescription: definition, parts and handling. Posology: Definition, Factors affecting dose selection. Calculation of children and infant doses.	6	6
II (3 weeks)	Historical back ground and development of profession of pharmacy and pharmaceutical industry in brief.	6	6
III (3 weeks)	Development of Indian Pharmacopoeia and introduction to other Pharmacopoeias such as BP, USP, European Pharmacopoeia, Extra pharmacopoeia and Indian national formulary.	6	6
IV (3 weeks)	Weights and measures, Calculations involving percentage solutions, allegation, proof spirit, isotonic solutions etc.	6	6
V (3 weeks)	Powders and Granules: Classification advantages and disadvantages, Preparation of simple, compound powders, Insufflations, Dusting powders, Eutectic and Explosive powders, Tooth powder and effervescent powders and granules.	6	6
VI (3 weeks)	Monophasic Dosage forms: Theoretical aspects of formulation including adjuvant like stabilizers, colorants, flavours with examples. Study of Monophasic liquids like gargles, mouth washes, Throat paint, Ear drops, Nasal drops, Liniments and lotions, Enemas and collodions.	6	6

VII (3 weeks)	Biphasic dosage forms: Suspensions and emulsions, Definition, advantages and disadvantages, classification, test for the type of emulsion, formulation, stability and evaluation.	6	6
VIII (3 weeks)	Suppositories and pessaries: Definition, advantages and disadvantages, types of base, method of preparation, Displacement value and evaluation.	6	6
IX (3 weeks)	Galenicals: Definition, equipment for different extraction processes like infusion, Decoction, Maceration and Percolation, methods of preparation of spirits, tinctures and extracts.	6	6
X (3 weeks)	Pharmaceutical calculations. Surgical aids: Surgical dressings, absorbable gelatin sponge, sutures, ligatures and medicated bandages.	6	6
XI (3 weeks)	Incompatibilities: Introduction, classification and methods to overcome the incompatibilities.	6	6

Modern Pharmaceutics – M. Pharmacy

Week	Hours	Unit	Contents	hours consumed
Week 1	4 h	1	Preformulation Concepts – Drug Excipient interactions - different methods, kinetics of stability, Stability testing.	4
Week 2	4 h	1	Theories of dispersion and pharmaceutical Dispersion (Emulsion and Suspension, SMEDDS)	3
Week 3	4 h	1	preparation and stability Large and small volume parental – physiological and formulation consideration, Manufacturing and evaluation	4
Week 4	5 h	1	Optimization techniques in Pharmaceutical Formulation: Concept and parameters of optimization, Optimization techniques in pharmaceutical formulation and processing	5
Week 5	5 h	1	Statistical design, Response surface method, Contour designs, Factorial designs and application in formulation	5
Week 6	4 h	2	Validation : Introduction to Pharmaceutical Validation, Scope & merits of Validation, Validation and calibration of Master plan	4
Week 7	4 h	2	ICH & WHO guidelines for calibration and validation of equipments, Validation of specific dosage form, Types of Validation.	4
Week 8	4 h	2	Government regulation, Manufacturing Process Model, URS, DQ, IQ, OQ & P.Q. of facilities.	5
Week 9	4 h	3	cGMP & Industrial Management: Objectives and policies of current good manufacturing practices, layout of buildings, services, equipments and their maintenance.	4
Week 10	4 h	3	Production management: Production organization, , materials management, handling and transportation, inventory management and control, production and planning control.	5
Week 11	4 h	3	Sales forecasting, budget and cost control, industrial and personal relationship. Concept of Total Quality Management.	4
Week 12	5 h	4	Compression and compaction: Physics of tablet compression, Consolidation.	5
Week 13	5 h	4	Effect of friction, distribution of forces, compaction profiles. Solubility.	5
Week 14	5h	5	Study of consolidation parameters; Diffusion parameters, Dissolution parameters and Pharmacokinetic parameters, Heckel Plots.	5

Week 15	5h	5	Similarity factors – f2 and f1, Higuchi and Peppas plot, Linearity Concept of significance, Standard deviation , Chi square test, students T-test , ANOVA test.	5
Week 16	4 h	--	Revision	4

Intellectual property Rights – M. Pharmacy

Week	Hours	Unit	Contents	hours consumed
Week 1	4 h	1	Definition, Need for patenting, Types of Patents, Conditions to be satisfied by an invention to be patentable, Introduction to patent search.	4
Week 2	4 h	1	Parts of patents. Filling of patents. The essential elements of patent;	4
Week 3	4 h	1	Guidelines for preparation of laboratory note book, Non-obviousness in Patent	3
Week 4	4 h	2	Role of GATT	3
Week 5	4 h	2	Role of TRIPS	3
Week 6	4 h	2	Role of WIPO	3
Week 7	4 h	3	Brief introduction to Trademark protection and WHO Patents	4
Week 8	4 h	3	IPR' s and its types	3
Week 9	4 h	3	Major bodies regulating Indian Pharmaceutical sector	4
Week 10	4 h	4	Brief introduction to CDSCO. WHO, USFDA	5
Week 11	4 h	4	Brief introduction to EMEA, TGA	4
Week 12	4 h	4	Brief introduction to MHRA, MCC, ANVISA	3
Week 13	4 h	5	Regulatory requirements for contract research organization	4
Week 14	4 h	5	Regulations for Biosimilars	5
Week 15	4 h	--	Revision	4

Tutorial Classes

BioPharmaceutics & Pharmacokinetics

Beyond syllabus /other enrichment activities (Extra class /Tutorials/Invited sessions/other ICT activities/Student participation/workshop conducted/etc relevant to this course

S. No.	Activity Name/Session/Topic	Relevant CO	Most relevant POs
1	Using an IVIVC to meet challenges in Global delivery	1	2
2	Brief introduction to GASTRO PLUS software	4	5

Industrial Pharmacy-I

Beyond syllabus /other enrichment activities (Extra class /Tutorials/Invited sessions/other ICT activities/Student participation/workshop conducted/etc relevant to this course

S. No.	Activity Name/Session/Topic	Relevant CO	Most relevant POs
1	Compaction & Consolidation	1	1
2	Novel Parenteral formulations	3	3

Teaching and Learning through RIPER You tube channel

S.No	Topic	Moderator	Link
1	Reproductive toxicity studies	Dr K Soma Sekhar Reddy	https://www.youtube.com/watch?v=yaUMxK8GW3o
2	Demo on semi auto analyser-estimation of serum creatinine	Dr Sudheer	https://www.youtube.com/watch?v=je6GzgGEmSE
3	Buffer action	Dr. Nawaz Mohammad	https://www.youtube.com/watch?v=TnX694JFvRA
4	Thyroid Harmones	G Vyshnavi	https://www.youtube.com/watch?v=VaZ_khnbBIE
5	New approaches for drug delivery	G Uma Udaya Sree	https://www.youtube.com/watch?v=-VnclDxDNn8
6	Distribution law creation in class	Dr. Nawaz Mohammad	https://www.youtube.com/watch?v=MsnHgdbV654
7	Factorial Design	Mr E Bhargav	https://www.youtube.com/watch?v=dGZLtl-YmbU
8	DLVO theory by role play method	Dr. Nawaz Mohammad	https://www.youtube.com/watch?v=2a1EEKO92RQ&t=11s
9	Plagiarism	Dr Vijay Chidrawar	https://www.youtube.com/watch?v=mvKZrumcCW4
10	Mechanism of action of GABA, Barbiturates and Benzodiazepines	Mrs S Triveni	https://www.youtube.com/watch?v=EQcZ0S42rew
11	Demo on Tablet punching machine	Dr C Haranath	https://www.youtube.com/watch?v=kYU30DCYpng
12	Chemsketch Software-installation and demo	Mr. C. Naresh babu	https://www.youtube.com/watch?v=AF1uGS1rk4c
13	How to install and use EndNote Software	Miss T. Reshma	https://www.youtube.com/watch?v=lhhFSzkgxuU
14	Anatomy and physiology of respiratory system	Dr Somashekar Reddy	https://www.youtube.com/watch?v=eqMIwhvXiPA
15	Addition reaction	Dr. MV Jyothi	https://www.youtube.com/watch?v=zZsfi7fhurI
16	How to publish a	Dr H Abdul	https://www.youtube.com/watch?v=-4fr0Ywf2wQ

	simple work in a good indexed journal	Ahad	
17	Pharmacovigilance- An Overview	Dr SMG Ishrar	https://www.youtube.com/watch?v=P6YpTCJRylk
18	Derivation of first order kinetics	Dr. Nawaz Mohammad	https://www.youtube.com/watch?v=aRue7pEdSpw
19	Ring activating and deactivating groups on Benzene	Mr Laxma Naik	https://www.youtube.com/watch?v=fmAJ-mliuoQ
20	CDSCO explanation	Dr Abdul Ahad	https://www.youtube.com/watch?v=GJj_6w0XbfE