2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

S.No.	File Description	File No.	Web link
1.	Student centric methods, such as experiential learning, participative learning and problem-solving methodologies	2.3.1(1)	http://www.vipw.in/NAAC/Criterion_2/2.3.1(1).pdf

INDUSTRIAL TRAINING

Industrial training, where a student undertakes a period of training at an organization usually during a semester break, acts as an important part in preparing the student for a professional career. With the actively involved preparation, the student learns about the industrial demands, skill set and work ethics.

Every year students experience industrial training as per the syllabus prescribed in JNTUK and gain knowledge of various departments like Formulation and research department (FR&D) i.e., Manufacturing of Tablets, capsules and injection preparations etc., Quality Assurance, Quality control, Clinical research, Drug regulatory affairs, Hospital Pharmacy etc. as such III year B. Pharmacy students have visited Koch Pharmaceuticals, Tadepalli, Old Guntur, Guntur – 522 001, Andhra Pradesh, Triveni formulations, Surampalli, Andhra Pradesh 521 212, India and received hands on experience about industry affairs.

One month training program of III/IV B. Pharmacy students at Koch Pharmaceuticals, Tadepalli, Old Guntur, Guntur – 522 001, Andhra Pradesh, India.

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III/IV B. Pharmacy students of 2021 – 2022 are trained in pharmaceutical formulations evaluations techniques in Quality control department at Triveni formulations, Surampalli, Andhra Pradesh 521 212, India.

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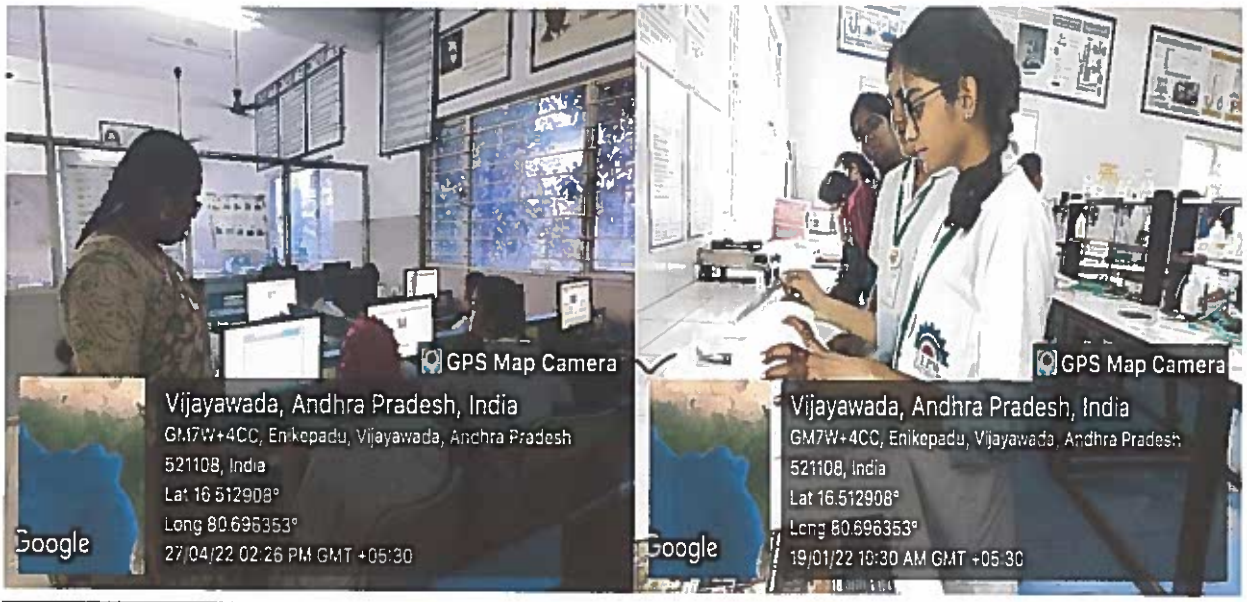
HANDS – ON LEARNING

B. Pharmacy, Pharm. D & Pharm. D (PB) and M. Pharmacy students gain knowledge in theory by taking part in the pragmatic learning in various laboratories located within the institute. Faculty has designed various experiments according to the syllabus assigned by the JNTUK. Students gain practical awareness through live activities and handling the instruments such as pharmaceutical engineering experiments and M. Pharm Pharmacology experiments using animals and B. Pharm Pharmacology simulation experiments using Ex Pharm series software and Pharmaceutical Chemistry etc.,



III/IV B. Pharm students are learning Pharmacology simulation experiments using Ex Pharm Series Software.	II/IV B. Pharm Students are taught to learn Pharmaceutical Engineering experiments in laboratory.

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III Pharm D students are learning Pharmaceutical Chemistry experiments in pharmaceutical chemistry laboratory.

M.Pharm students are performing Advanced Pharmacology experiments using experimental animals.

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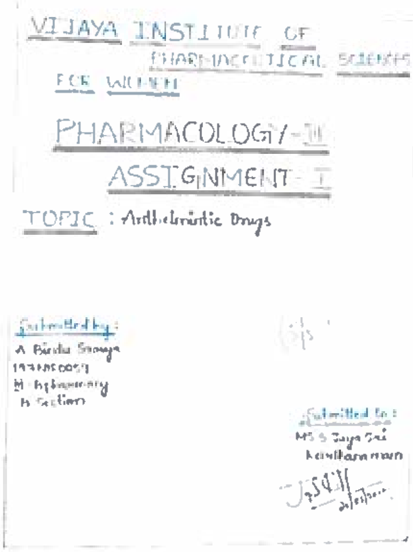
ASSIGNMENTS

Assignments are the part of the internal examination evaluation process, in which would be immense value as additional learning instruments. Many types of assignments can be given to students of all such as essays, literature reviews, critical reviews, reflective journals, annotated bibliographies and case studies, depends upon the need and learning situations. It implies a task for students to accomplish the aim of learning particular contents, concepts or relationships etc., in this text, learning assignments involve student's independent information seeking and use of a wide range of information resources which are available for them. So, every semester/year students are assigned with 2 or 3 topics per each subject regarding to their syllabus and asked to gather more relevant information. Allotment of marks to students is given according to their task completion. Through these students are enriched with knowledge regarding of topic, proof reading of and presentation techniques.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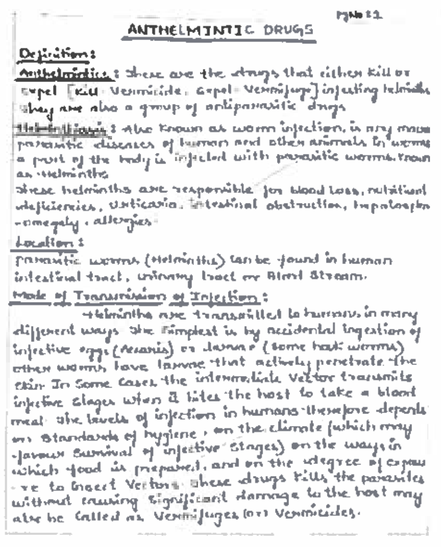
PHARMACOLOGY-III

ASSIGNMENT-I

TOPIC : Anthelmintic Drugs

Submitted by:
A. Bindu Sravya
Pharmacy
B Section

Submitted to:
Ms. S. Jaya Sai Keerthana


ANTHELMINTIC DRUGS

Definition:

Anthelmintics: These are the drugs that either kill or expel [kill: Vermicide, expel: Vermifuge] infesting helminths. They are also a group of antiparasitic drugs.

Helminthiasis: Also known as worm infection, is any macro parasitic diseases of human and other animals in which a part of the body is infected with parasitic worms known as helminths.

These helminths are responsible for blood loss, nutritional deficiencies, urticaria, intestinal obstruction, hepatosplenomegaly, allergies.

Location:

Parasitic worms (Helminths) can be found in human intestinal tract, urinary tract or blood stream.

Mode of Transmission of Infection:

Helminths are transmitted to humans in many different ways. The simplest is by accidental ingestion of infective eggs (Ascaris) or larvae (some tape worms). Other worms have larvae that actively penetrate the skin. In some cases the intermediate vector transmits infective stages when it bites the host to take a blood meal. The levels of infection in humans therefore depends on standards of hygiene, on the climate (which may favour survival of infective stages), on the ways in which food is prepared, and on the degree of exposure to insect vectors. These drugs kills the parasites without causing significant damage to the host may also be called as Vermifuges (or) Vermicides.

Classification of Anthelmintic Drugs:

Based on action:

1. Drugs to treat roundworm, hookworm, pinworm, infection:
   - Albendazole, Pyrantel pamoate, Levamisole, Piperazine
2. Drugs to treat Whipworm, Trichinella Spiralis infection
   - Albendazole, Mebendazole, Oxibendazole, Ozantel
3. Drugs to treat Tapeworm infection
   - Praziquantel, Niclosamide, Oxibendazole
4. Drugs to treat thread worm infection
   - Ivermectin, Albendazole
5. Drugs to treat Filariasis
   - Diethyl Carbamazine, Suramin, Ivermectin
6. Broad Spectrum anthelmintics
   - Oxibendazole, Thiabendazole, Piperazine
7. Drugs to treat Fluke worm (Trematode) infection
   - Praziquantel

Based on chemical structure:

I Simple Heterocyclic compounds
Eg: Phenothiazine, Piperazine, Praziquantel.

II Benzimidazoles
Eg: Mebendazole, Thiabendazole, Carbendazole, Albendazole, Fenbendazole ... etc

III. Imidazothiazoles
Eg: Butamisole hydrochloride, Levamisole

IV Tetrahydropyrimides.
Eg: Pyrantel and morantel

V Organophosphorus Compounds.
Eg: Crufomate, Haloxon, Coumaphos, Dichlorvos, Trichlorfon ... etc

VI Miscellaneous Drugs
Eg: Toluene, n-butyl chloride, Tetrachloroethane, Theriumclorylate, Dinophenol, phthalofyne Glycobiarsol, Avermectins, Hygromycin-B

VII Vinyl pyrimidines
Eg: pyrantel pamoate

VIII Amides
Eg: Niclosamide

PIPERAZINE

It is highly active drug, achieves 90-100% of cure rate

Mechanism of Action (MOA):

piperazine
↓
paralyzes ascaris, by acting against GABA activation
↓
paralysed roundworms are expelled alive by normal peristalsis

Pharmacokinetics:

Absorption:

Oral dose of piperazine is absorbed
* It is partly metabolized in liver and excreted in urine
* Mild GI irritation might occur even during general dosage (Side effect)
* Highly active against ascaris and enterobiasis.

Dose:

* For roundworm infestation 4g once a day for 2 consecutive days.
* Doesn't show any other action in the human body and hence it is very safe to use
* Very safe during pregnancy.
* Absorbed 20% through gut
* Excreted in unchanged form through urine.

Note:

Combination of anyother anthelmintic with a purgative in the same formulation is banned in India.

MEBENDAZOLE

The mebendazole retained the broad-spectrum anthelmintic activity but not the toxicity of its predecessor
* It has produced nearly 100% cure rate (or) reduction in egg count in roundworm, hookworm, Enterobius and Trichuris infestations.
* upto 70% cure has been reported in tape worms
* prolonged treatment has been shown to cause regression of hydatid cysts in the liver.

MOA:

The site of action of Mebendazole appears to be the microtubular protein β-tubulin of the parasite
↓
It binds to β-tubulin of susceptible worms, with high affinity and inhibits its polymerization
↓
Intracellular microtubules in the cells of the worm are gradually lost
↓
Blocks glucose uptake
↓
Depletes its glycogen stores
↓
Hatching of nematode eggs
↓
Ascaris ova are killed.

pharmacokinetics:

* Absorption of mebendazole from intestines, is minimal 45-60% of an oral dose is passed in the faeces
* Fatty food enhances its absorption
* Metabolised in the liver

PgNo:

Dose : Single dose of 10mg/kg

PRAZIQUANTEL

MOA :
Increases the permeability of membranes of Schistosome cells towards Calcium
↓
Induces contraction of parasites muscle
↓
paralysis of the helminths

Uses :
used to treat Schistosoma, liver fluke

Toxicity :
Acute toxicity in rats

Dose : S. japonicum : 25mg/kg (single day treatment)
S. haematobium : 40-50mg/kg

DIETHYLCARBAMAZINE (DEC)

MOA :
It acts by sensitizing the microfilariae to phagocytosis

Uses : used to treat worm infections

Toxicity : It may cause loss of vision, night blindness or tunnel vision with prolonged use

Dose : A dose of 2mg/kg TDS clears microfilariae from

Excretion : Mostly via feces but also via urine

TRICHLORFON

MOA :
An organochlorphosphate cholinesterase inhibitor used in anthelmintic compositions

Dosage : 3times 1mg/kg

Toxicity : Risk of cancer
* this is contraindicated in pregnant Womens

IVERMECTIN

MOA :
Ivermectin binds to glutamate-activated chloride channels
↓
Hyperpolarization of nerve or muscle cells
↓
Increasing permeability of chloride ion through the cell membrane
↓
parasites are paralyzed to death

Uses :
* Used to treat intestinal Strongyloidiasis & Onchocerciasis (caused by parasitic worms)
* Used to treat external parasites like head lice & for skin conditions such as rosacea

Toxicity :
Overdose leads to allergic reactions, Ataxia (problems with balance) Dizziness, coma and even death

Pharmacokinetics :
* Ivermectin is well absorbed orally
* Metabolized by CYP3A4

Dose :
A single 0.15mg (0.2mg/kg)

PYRANTEL PAMOATE

MOA :
Acts as a depolarizing neuromuscular Blocking agent
↓
Sudden contraction
↓
paralysis of the Helminths
(lose the grip on the intestinal wall & passed out)

Uses :
* Used to treat intestinal worm infections such as pinworm, roundworm & hookworm

Toxicity :
Severe muscle Spasms, weakness or Severe trouble breathing

Pharmacokinetics :
* Rapidly absorbed
* Rapid metabolism within 3hrs completely
* 50% is excreted through Urine

Uses :
* Immuno Stimulant
* Used in treating Rheumatoid Arthritis
* Moderate Spectrum anthelmintic

Dose :
Ascariasis - Single dose 1% for adults
1ml/kg for children

Adverse effects : Nausea, Abdominal pain, Vomiting, Diarrhea, Dizziness.

MORANTEL

MOA :
These anthelmintics are nicotinic receptors agonists
↓
Elicit Spastic muscle paralysis due to prolonged activation of the excitatory nicotinic acetylcholine (nAch) receptors on body wall muscle.

Pharmacokinetics :
Absorption : Rapidly from Small intestine

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PROJECT BASED LEARNING

Project based learning is a teaching method were students gain knowledge and skill by working for an extended period of time to investigate and respond to an authentic, engaging and complex questions, problems or challenges. It is not only providing opportunities for students to collaborate with or drive their own learning, but also teaches those skills such as problem solving and helps to develop additional skills integral to their future such as critical thinking and time management. So, every year IV B. Pharmacy, V year Pharm.D and II-year M. Pharmacy students are allotted with a project under the supervision/guidance of faculty to be completed within an academic year. Marks are allotted to projects according to their performance, project results, presentation and viva-voice. Research and review articles of their projects are published by students in various national and international journals.

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IV B. PHARM PROJECT WORK LIST 2021-22

S. No	Register No	Name of the Student
1	187N1R0001	Bandaru Sai Venkata Anuhya
2	187N1R0002	K Lavanya
3	187N1R0003	Kodidati Susan Deephi
4	187N1R0004	Kondeti Jhansi
5	187N1R0005	Masimukku Kalpana
6	187N1R0006	Muttha Lavanya
7	187N1R0007	Rachamalla Sai Prasanna
8	187N1R0008	Yallamalli Sai Sudha Rani
9	187N1R0009	Abdul Rokaya
10	187N1R0010	Achutha Akanksha
11	187N1R0011	Allu Navya Sri
12	187N1R0012	Avula Vara Lakshmi
13	187N1R0013	Banavathu Mounika
14	187N1R0014	Battula Gayathri
15	187N1R0015	Bhandaru Sree Rekha
16	187N1R0016	Bhavya Sree Medepalli
17	187N1R0017	Boyalapalli Prasanna
18	187N1R0020	Chilukuri Naga Sivani
19	187N1R0021	Chintha Hushika
20	187N1R0022	Danda Sai Vaishnavi
21	187N1R0023	Dekka Spandana
22	187N1R0024	Dokku Yuva Lakshmi
23	187N1R0025	Dondapati Nandini
24	187N1R0028	Ghosh Payel
25	187N1R0029	Gollapudi Ramya Sri Meghana
26	187N1R0030	Goriparthi Pranitha
27	187N1R0031	Gosala Keerthi
28	187N1R0033	Guntur Annie Susanna
29	187N1R0034	Gurijala Lekhana
30	187N1R0035	Jasti Geethanjali
31	187N1R0036	Kalapala Vineetha Rani
32	187N1R0037	Kalisetti Naga Durga
33	187N1R0038	Kallepalli Maneesha
34	187N1R0039	Kalyani Gali
35	187N1R0040	Kanchala Srujana
36	187N1R0041	Kapavarapu Aswitha
37	187N1R0042	Kathari Yashaswini
38	187N1R0043	Katuri Pranitha
39	187N1R0044	Kotiuvarapu Vineetha

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40	187N1R0045	Kollimarla Rajasree
41	187N1R0046	Kondeti Naga Jyothi
42	187N1R0047	Kotha Divya Naidu
43	187N1R0048	Kotra Tejaswi
44	187N1R0049	Kuchipudi Ramya
45	187N1R0050	Kundeti Susmitha
46	187N1R0051	Madugula Kavya
47	187N1R0052	Mankari Bhagya Sri
48	187N1R0053	Maparthi Madhuri
49	187N1R0054	M. Venkata Durga Pravallika
50	187N1R0055	M. Siva Naga Lakshmi Malleswari
51	187N1R0056	Nagidi Geetha
52	187N1R0057	Namburi Krishna Veni
53	187N1R0058	Narala Harika
54	187N1R0059	Paidi Rupasree
55	187N1R0060	Parise Hema Lakshmi
56	187N1R0061	Pasuluri Yamini
57	187N1R0062	Pendyala Yashwanthi
58	187N1R0063	G.Geethika
59	187N1R0064	Polukonda Bhuvaneswari
60	187N1R0065	R.Menaka Devi
61	187N1R0066	Rajulapati Babitha
62	187N1R0067	Rajulapati Pushpalatha
63	187N1R0068	Rankireddy Anitha
64	187N1R0070	Sangula Sirisha
65	187N1R0071	Sarakanam Pravallika
66	187N1R0072	Sasetti Dharani
67	187N1R0073	Senagala Lakshmisai
68	187N1R0074	Shaik Asha Begum
69	187N1R0075	Shaik Hafsa
70	187N1R0076	Shaik Nishath Sabira
71	187N1R0077	Shaik Raziyabegum
72	187N1R0078	Sugriva Divya
73	187N1R0079	Syed Fatheema Nasreen
74	187N1R0080	Tamma Srivalli
75	187N1R0081	Thiriveedhi Dhana Lakshmi
76	187N1R0082	Thota Sai Mounika
77	187N1R0083	Tungala Sangeetha
78	187N1R0084	Vadapalli Vennela Lakshmi
79	187N1R0085	Viswanathapalli B V S Nikitha
80	187N1R0086	Jayasri Piratla
81	187N1R0088	Dodda Swathi

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II M. PHARM PROJECT WORK STUDENT LIST 2021-22

S. No	Register No	Name of the Student
1	207N1S0301	Eega Sravani
2	207N1S0302	Adapa Mohana Latha
3	207N1S0303	Shaik Apsana
4	207N1S0304	Harika Jampana
5	207N1S1601	Bhukya Chandana
6	207N1S1602	Tummala Harshitha
7	207N1S1603	Uppuganti Sony
8	207N1S1604	Sharon Panthangani
9	207N1S0601	Unguturu Mounika Sarojini
10	207N1S0602	Gunji Loka Swarna Deepika
11	207N1S0603	Parvathaneni Aruna
12	207N1S0604	Chanampudi Divya

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V PHARM. D PROJECT WORK LIST 2021-22

S. No	Register No	Name of the Student
1	177N1T0001	Sumaiya Saleem
2	177N1T0002	Kondaveeti Parameswari
3	177N1T0003	Bollineni Swathi
4	177N1T0004	Gudela Haritha
5	177N1T0005	Indurthi Bharathi
6	177N1T0006	Panguluri Nadiya
7	177N1T0007	Hanisha Jangala
8	177N1T0008	Makkena Pallavi
9	177N1T0009	Maadu Sri Lakshmi
10	177N1T0010	Golla Shiny
11	177N1T0011	Vuddanti Meghana
12	177N1T0012	Thati Sravani
13	177N1T0013	Jyothsna Kumari .K
14	177N1T0014	Bezawada Vijaya Sainika
15	177N1T0015	Sali Nancy
16	177N1T0016	Shaik Chandini
17	177N1T0017	T. Maha Lakshmi
18	177N1T0018	K. Uma Maheswari
19	177N1T0019	G N J V L Sarada Sri
20	177N1T0020	Vydani Uma Maheswari
21	177N1T0021	Perichrla Tejaswi
22	177N1T0022	Jonnalagadda Vineela
23	177N1T0023	Nandamuri Sri Thanmayi
24	177N1T0024	Pedapudi Kiran Swetha
25	177N1T0025	Vallapu Prathyusha
26	177N1T0026	Lakshmi Priya Ghantasala
27	177N1T0027	Mandadapu Naga Jyotsna
28	177N1T0028	D. Kunthitha Devi
29	177N1T0029	Dandala Blessy Lydia
30	177N1T0030	Thommandru Aswini Teja

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II PHARM. D (P.B) PROJECT WORK LIST 2021-22

S. No	Register No	Name of the Student
1	207N1T0101	Shaik Sharmila
2	207N1T0102	Kurapati Katyayani
3	207N1T0103	Manda Joy Prise
4	207N1T0104	Repalle Bhavana

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IV B.Pharm Project list (2021-22)

S. No	Project Supervisor	Reg. No	Students	Title of the Project	Department
1.	Dr. S. Venkateswara Rao	187N1R0010 187N1R0045 187N1R0036 187N1R0008 187N1R0044	A. Akanksha K. Rajasree K. Vinitha Rani Y. Sudha Rani K. Vineetha	Synthesis of MCC-PEG conjugate and it's evaluation as a tablet super disintegrant.	Pharmaceutics
2.	Dr. S. Venkateswara Rao	187N1R0059 187N1R0060 187N1R0074 187N1R0083 187N1R0086	P. Rupa sree P. Hema Lakshmi SK. Asha Begum Sangeetha Jayasree	Development of Chitosan based Buccal films containing fluconazole for oral candidiasis	Pharmaceutics
3.	Mrs. A. Hima Bindhu	187N1R0017 187N1R0029 187N1R0031 187N1R0051 187N1R0055	B. Prasanna G. Ramya Sri Meghana Keerthi. G M. Kavya M. Malliswari	Enhancement of Solubility and Dissolution rate of Rivaroxaban by solubility dispersion technique	Pharmaceutics
4.	Mrs. P. M.M. Naga Lakshmi Varma	187N1R0014 187N1R0056 187N1R0004 187N1R0042 187N1R0023	B. Gayathri N. Geetha Jhansi Kondeti K. Yashaswini D.Spandana	Formulation and Evaluation of Lamivudine microspheres	Pharmaceutics
5.	Mrs. B. Hemalatha	187N1R0064 187N1R0039 187N1R0057 187N1R0037 187N1R0062	P. Bhuvaneswari G. Kalyani N. Krishna Veni K. Naga Durga P. Yashwanthi	Development of fast dissolving tablets of Losartan potassium using novel co-processed super disintegrants	Pharmaceutics

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6.	Mr. A. Jaya Rami Reddy	187N1R0020 187N1R0022 187N1R0040 187N1R0061 187N1R0068	Ch. Naga Sivani D. Sai Vaishnavi K. Srujana P. Yamini R. Anitha	Evaluation of In-vitro anti-oxidant and Antidiabetic, anti-platelet aggregatory activities of Casuarina Equisetifolia bark extracts.	Pharmacology
7.	Mrs. Bhavana. Atluri	187N1R0021 187N1R0025 187N1R0028 187N1R0038 187N1R0048	Ch. Hushika D. Nandini Ghosh Payel K. Maneesha K. Tejaswi	In-vitro Thrombolytic and anti-Inflammatory activities on Ethanolic leaf extract of Terminalia arjuna	Pharmacology
8.	Mrs. Neeraja	187N1R0030 187N1R0033 187N1R0041 187N1R0046 187N1R0070	G. Pranitha G. Annie Susanna K. Aswitha K. Naga Jyothi S. Sireesha	Evaluation of in-vitro anti-Inflammatory and anti-oxidant activity of Ethanolic extract of solanum nigrum dried berries.	Pharmacology
9.	Dr. S. Sundar	187N1R0053 187N1R0053 187N1R0066 187N1R0071 187N1R0081	M. Madhuri M. Pravallika R. Babitha S. Pravallika T. Dhanalakshmi	In vitro Anti-inflammatory and Antimicrobial activity of Cissus quadrangularis L.	Pharmacology
10.	Mrs. Ch. Anupama Swathi	187N1R0065 187N1R0035 187N1R0011 187N1R0016 187N1R0067	R. Menaka Devi J. Geethanjali A. Navya Sri M. Bhavya Sri R. Pushpa Latha	A Simple validated UV Spectrophotometric method for estimation of Rivaroxaban tablet dosage form.	Pharmaceutical Analysis

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11.	Mrs. Ch. Anupama Swathi	187N1R0015 187N1R0012 187N1R0005 187N1R0088 187N1R0003	B. Sri Rekha A. Vara Lakshmi M. Kalpana D. Swathi K. Susan Deepthi	Estimation of Eltrombopag olamine in tablet dosage form by colorimetric validation.	Pharmaceutical Analysis
12.	Dr. N. Prathibha	187N1R0049 187N1R0050 187N1R0077 187N1R0052 187N1R0085	K.Ramya K. Susmitha SK. Rziya Begum M. Bhagya Sree V.B.V.S.Nikitha	Assessment of Self-medication among pharmacy students	Pharmacy Practice
13.	. M. Tabitha Sharon	187N1R0047 187N1R0073 187N1R0034 187N1R0013 187N1R0024	Divya Naidu. K Lakshmi Sai. S Lekhana. G B. Mounika Yuva Lakshmi. D	Assessment of risk factors for development of polycystic ovarian syndrome	Pharmacy Practice
14.	Mrs. D. Prasanna	187N1R0001 187N1R0043 187N1R0078 187N1R0079 187N1R0080	B.S.V.Anuhya Pranitha. K Divya. S SD.Fatheema nasreed Srivalli.T	Synthesis, characterization and biological screening of novel ribonucleotide reductase inhibitors.	Pharmaceutical Chemistry
15.	Dr. M. Vani	187N1R0002 187N1R0009 187N1R0075 187N1R0076 187N1R0084	K. Lavanya Abdul Rokaya SK. Hafsa Sk. Nishath Sabira V.Vennela Lakshmi	Alpha Amylase inhibitory activity of Phyllanthus Reticulatus	Pharmacognosy
16.	Dr. M. Vani	187N1R0072 187N1R0058 187N1R0007 187N1R0082 187N1R0063	S. Dharani N. Harika R. Sai Prasanna T. Mounika G. Geethika	Anti-glycation effect on Ureua sinuata	Pharmacognosy

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M. Pharmacy Project List (2021 - 2022)

S.No	Reg. No.	Name of the Student	Name of the Guide	Project Titles	Department
1	207N1S0301	Eega Sravani	Dr. S.Venkateswara rao	Formulation development and evaluation of Memantine hydrochloride oral-dissolving film	Pharmaceutics
2	207N1S0302	Adapa Mohana Latha	Dr. S.Venkateswara rao	Preparation and Evaluation of Sustained-Release Tablets of Flutamide Using Synthetic and Natural Polymers	Pharmaceutics
3	207N1S0303	Shaik Apsana	Dr. S.Venkateswara rao	Formulation and evaluation of Atorvastatin topical emulgel for wound healing efficacy	Pharmaceutics
4	207N1S0304	Harika Jampana	Dr. S.Venkateswara rao	Isolation and evaluation of mucilage from herbal plant as a pharmaceutical excipient	Pharmaceutics
5	207N1S1601	Bhukya Chandana	Mrs. D. Vijaya Durga	Method development and validation for the simultaneous estimation of lopinavir and ritonavir by using RP- HPLC	Pharmaceutical Analysis
6	207N1S1602	Tummala Harshitha	Mrs. Ch. Anupama Swathi	Development and validation of RP-HPLC method for the estimation of vildagliptin in bulk and tablet dosage form	Pharmaceutical Analysis
7	207N1S1603	Uppuganti Sony	Mr.M. Bala Krishna	Bio Analytical Development Method Development and Validation of Zidovudine in bulk & Pharmaceutical dosage forms by using by RP -HPLC	Pharmaceutical Analysis
8	207N1S1604	Sharon Panthangani	Mr.M.Bala Krishna	RP HPLC Method Development and Validation of Ranolazine in bulk & Pharmaceutical dosage forms by using RP- HPLC	Pharmaceutical Analysis
9	207N1S0601	Unguturu Mounika Sarojini	Dr. S Sundar	Immunomodulatory, Anti-Inflammatory, Anti-Diabetic and Anti-Oxidant Activities of Poly Herbal Formulation (Kabasura Kudineer) on Rats	Pharmacology

10	207N1S0602	Gunji Loka Swarna Deepika	Mrs. A. Bhavana	Antifertility &Antispasmodic effects of Poly Herbal (Herbutin) Formulation on Female Spargue Dawley Rats	Pharmacology
11	207N1S0603	Parvathaneni Aruna	Mr. A. Jayarami Reddy	Evaluation of Anti-histaminic activities of poly herbal formulaton by in-vivo screening techniques	Pharmacology
12	207N1S0604	Chanampudi Divya	N.K.S. Neeraja	Anti-Arthritic, Anti-Inflammatory and Anti-Oxidant Activities of Poly-Herbal Formulation (Rhumatigo) on Rat	Pharmacology

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V/VI Pharm. D Project List (2021 - 2022)

S.No	Reg. No.	Name of the Student	Name of the Guide	Project Titles
1	177N1T0001 177N1T0005 177N1T0012 177N1T0028	Sumaiya Saleem Indurthi Bharathi Thati Sravani Devagupthapu Kunthitha Devi	**Dr. Purushothama Reddy K**	Evaluation of Causality, Severity and Risk factors of Adverse Drug Reactions in Hospitalized Geriatric Patients.
2	177N1T0003 177N1T0009 177N1T0017 177N1T0026	Bollineni Swathi Maadu Sri Lakshmi Tirumalasetti Maha Lakshmi Lakshmi Priya Ghantasala	**Dr. N. Prathiba**	Study on Prevalence of Drug related problems at a Tertiary Care Teaching Hospital.
3	177N1T0004 177N1T0010 177N1T0018 177N1T0025	Gudela Haritha Golla Shiny Katragadda Uma Maheswari Vallapu Prathyusha	**Dr. Y. Naveen**	Assessment of Medication Adherence in Diabetic Mellitus Patients.
4	177N1T0006 177N1T0023 177N1T0027	Panguluri Nadiya Nandamuri Sri Thanmayi Mandadapu Naga Jyotsna	**Dr. Purushothama Reddy K**	Assessment of Health-Related Quality of Life in Hemodialysis Patient by using WHO QOL- BERF/KDQOL Questionnaire"
5	177N1T0007 177N1T0015 177N1T0024	Hanisha Jangala Sali Nancy Pedapudi Kiran Swetha	**Dr. M. Thabitha Sharoon**	Assessment of health-related quality of life and therapeutic outcomes in patients with liver diseases in Tertiary Care Hospital.

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6	177N1T0008 177N1T0016 177N1T0030 207N1T0101	Makkena Pallavi Shaik Chandini Thommandru Aswini Teja Shaik Sharmila	**Dr. B. Navya**	Assessment of prescribing pattern of antibiotics and their adverse drug reactions.
7	177N1T0011 177N1T0019 177N1T0020 177N1T0029	Vuddanti Meghana G N J V L Sarada Sri Vydani Uma Maheswari Dandala Blessy Lydia	**Dr. M. Thabitha Sharoon**	A study on atherogenic index of plasma in diabetic patients admitted to cardiology department and correlation with severity of CAD.
8	177N1T0002 177N1T0013 207N1T0104	Kondaveeti Parameswari Jyothsna Kumari Kavilikatta Repalle Bhavana	**Dr. K. Padmalatha**	Observational study to correlate the severity of CAD in relation to abnormalities in liver enzymes in acute coronary syndrome Patients.
9	177N1T0014 177N1T0022 207N1T0102 207N1T0103	Bezawada Vijaya Sainika Jonnalagadda Vineela Kurapati Katyayani Manda Joy Prise	**Dr. N. Prathiba**	Prevalence, Complications and Drug related problems of liver Disorders in a Tertiary Care Hospital.

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CASE STUDY LEARNING

Case studies are a written description of a real-life problem or situation. Only the facts are provided, usually in chronologic sequence similar to what would be encountered in a patient care setting. The use of cases actively involves the students in the analysis of facts and details of the case in the traditional format called SOAP analysis, by selection of a solution to the problem and defense of his or her solution through discussion of the case details. In the case-based learning students use their recall of previously learned information to solve clinical case. The case method is used primarily to develop the skills of self-learning, critical thinking, problem identification, and decision making. Working on subsequent cases with similar problems reinforces information recall. Case studies in the health sciences provides the personal history of an individual patient and information about 1 or more health problems that must be solved. The students work through the facts of the case, analyze the available data, gather more information, develop hypotheses, consider possible solutions, arrive at the optimal solution and consider the consequences of the learner's decisions. The use of the case studies and other active learning strategies will enhance the development of essential skills necessary to practice pharmacy in any setting, including community, ambulatory care, primary care, health systems. Long term care. Home health care, managed care and the pharmaceutical industry.

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Pharm. D V & Pharm.D (PB) II Year Batches 2021 – 2022

Batch No.	Reg. No.	Name of the Students
Batch - I	177N1T0001	Sumaiya Saleem
	177N1T0002	Kondaveeti Parameswari
	177N1T0003	Bollineni Swathi
	177N1T0004	Gudela Haritha
	177N1T0005	Indurthi Bharathi
	177N1T0006	Panguluri Nadiya
Batch - II	177N1T0007	Hanisha Jangala
	177N1T0008	Makkena Pallavi
	177N1T0009	Maadu Sri Lakshmi
	177N1T0010	Golla Shiny
	177N1T0011	Vuddanti Meghana
	177N1T0012	Thati Sravani
Batch - III	177N1T0013	Jyothsna Kumari Kavilikatta
	177N1T0014	Bezawada Vijaya Sainika
	177N1T0015	Sali Nancy
	177N1T0016	Shaik Chandini
	177N1T0017	Tirumalasetti Maha Lakshmi
	177N1T0018	Katragadda Uma Maheswari
Batch - IV	177N1T0019	G N J V L Sarada Sri
	177N1T0020	Vydani Uma Maheswari
	177N1T0021	Perichrla Tejaswi
	177N1T0022	Jonnalagadda Vineela
	177N1T0023	Nandamuri Sri Thanmayi
	177N1T0024	Pedapudi Kiran Swetha
Batch - V	177N1T0025	Vallapu Prathyusha
	177N1T0026	Lakshmi Priya Ghantasala
	177N1T0027	Mandadapu Naga Jyotsna
	177N1T0028	Devagupthapu Kunthitha Devi
	177N1T0029	Dandala Blessy Lydia
	177N1T0030	Thommandru Aswini Teja
Batch - VI	207N1T0101	Shaik Sharmila
	207N1T0102	Kurapati Katyayani
	207N1T0103	Manda Joy Prise
	207N1T0104	Repalle Bhavana

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Clinical Posting Schedule for Pharm. D V & Pharm.D (PB) II Year

V/VI PHARM.D Hospital Rotation Plan in OLD GGH from September 2021 to March 2022

Batch No.	September 2021	October 2021	November 2021
Batch - I	OB & G	Psychiatry	Paediatrics
Batch - II	Paediatrics	OB & G	Psychiatry
Batch - III	Psychiatry	Paediatrics	OB & G

Batch No.	January 2022	February 2022	March 2022
Batch - IV	OB & G	Psychiatry	Paediatrics
Batch - V	Paediatrics	OB & G	Psychiatry
Batch - VI	Psychiatry	Paediatrics	OB & G

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V/VI PHARM.D Hospital Rotation Plan in NEW GGH from September 2021 to March 2022

Batch No.	September 2021	October 2021	November 2021	December 2021
Batch - IV	General Medicine (Cardiology, Neurology & Nephrology)	Gastroenterology	General Surgery (Orthopedics)	Ophthalmology & ENT
Batch - V	Ophthalmology & ENT	General Surgery (Orthopedics)	Gastroenterology	General Medicine (Cardiology, Neurology & Nephrology)
Batch - VI	Gastroenterology	Ophthalmology & ENT	General Medicine (Cardiology, Neurology & Nephrology)	General Surgery (Orthopedics)

Batch No.	December 2021	January 2022	February 2022	March 2022
Batch - I	General Medicine (Cardiology, Neurology & Nephrology)	Gastroenterology	General Surgery (Orthopedics)	Ophthalmology & ENT
Batch - II	Ophthalmology & ENT	General Surgery (Orthopedics)	Gastroenterology	General Medicine (Cardiology, Neurology & Nephrology)
Batch - III	Gastroenterology	Ophthalmology & ENT	General Medicine (Cardiology, Neurology & Nephrology)	General Surgery (Orthopedics)

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