

2.5.1. Mechanism of Internal / External assessment is transparent and the grievance redressal system is time-bound and efficient.

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, P.C.I, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-GV, Vizianagaram) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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Principal PRINCIPAL Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Mechanism for Internal Examination Grievance Redressal

The college offers a well-functioning grievance procedure for examination-related issues. At the college level, an examination committee is constituted, comprising of Principal, senior Faculty as and other teaching faculty as supporting members for smooth conduction of internal and external examinations. The year-end examination is conducted by university, and the students appear at the jumbling center allotted by the university. Students who have issues regarding exams can address principal, exam incharge and the concerned faculty. The organization conducts internal exams in accordance with university rules. In accordance with university policies and procedures, the entire grievance procedure for exams is time-bound. There are two types of assessments:

- (1) External Examination (EE)
- (2) Internal Assessment or examination (IA).

Procedure of conduction of Internal Examination:

- In accordance with the timetables published by JNTU-GV, Vizianagaram, faculty members will enlighten students at the start of the year about the different elements of the evaluation process.
- Three internal examinations are conducted in each year for theory and two for practical courses.
- All faculty members, students will receive schedule of internal exams and displayed on the college notice board.
- The timetables for the internal examination are created in accordance with university policies and are provided to the students plenty of notice.
- Two invigilators are appointed to each hall for the effective administration of internal assessments.
- The faculty members in charge of the course evaluate the scripts, and they are required to submit the scripts not later than three days after the exam date.
- The students receive the scripts from the concerned faculty to check any discrepancy or doubt in checking, and any concerns are promptly addressed and resolved.
- By adopting the criteria as per the guidelines of affiliating university, complete transparency is maintained in internal examinations.
- After preparing the assessments report by faculty it is shown to Principal and a copy is submitted by the concerned faculty to the examination section.

Avanthi Institute of Pharmaceutical Sciences International Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

PRINCIPAL

- The assessment marks of three sessional exams displayed on the notice board, and uploaded in university portal at the end of each year.
- Continuous mode is evaluated for each student, by considering their attendance, teacher student interaction and academic activities. The Project Review Committee (PRC) evaluates the projects quality in conjunction with the project guides.

Redressal of Internal Examination Grievances (College level):

ESTD : 2005

- The concerned faculty distributes the internal examination scripts to students and collects their grievances if any.
- If any corrections raises that the marks scored are not up to his/her expectations, the student will bring them to the attention of the relevant teaching member.
- The responsible faculty member will reassess the response sheet in accordance with the evaluation scheme. If no discrepancy observed, the student will be informed by means of an explanation of the evaluation method, otherwise if discrepancy observed, the faculty will adjust the marks.
- If any complaints address by the student, In order to address these complaints, principal or HOD would give the relevant documents such as the question paper, evaluation plan, and answer script to another faculty for a prompt reevaluation.
- If there is no change in the marks upon revaluation, the student(s) will be informed as such. If there is a discrepancy any in the grades, principal/HOD will notify the relevant faculty to adjust the marks.
- The mid marks are shown on the notice board and are awarded in accordance with predetermined strategies.

Process for Examining Internal Grievances:

The college has a smooth grievance procedure for exam-related issues. If any exam irregularities observed by the college are promptly reported to the university's controller of examinations, who then makes any necessary corrections. Students can also use the web portal and suggestion box. The principal, IQAC, and exam incharge closely monitor each internal assessment procedure and make any necessary corrections. Students will be informed of the grievances' resolution within a predetermined timeframe. The action taken on the grievances will be communicated to students within a stipulated time period.



Procedure of conduction of External Examination:

The college has a well-functioning grievance procedure for examination-related issues. Any discrepancies with the exams that the college finds are reported right away to the university controller of examinations, and any necessary corrections are only made after receiving directives from the university. It is time-bound and extremely transparent.

External Examination Process:

ESTD : 2005

- The university will select an external examiner from among the other colleges to conduct the end examination for the lab and projects.
- The university will select an observer from among the other colleges to conduct the end year theory exams.
- Based on the timetables, the Examination Cell will create the faculty invigilation chart and the student seating plan with an internal jumbling mechanism.
- Invigilators will announce the guidelines pertaining to in the examination hall.
- Examiners are required to announce in the examination hall the regulations, governing the conduct of the exams.
- It is expected of the invigilators to maintain the peace in the exam room and handle delicate situations with tact.
- If an issue is found, the person in question may notify the Chief Supervisor of the matter, and based on the gravity of the problem, the Controller of the Examinations (CE) may be notified as well.
- Exams are usually scheduled to begin at 10:00 AM for the afternoon session and at 2:00 PM for the morning session.
- The invigilators were advised to arrive at their designated examination halls no later than thirty minutes prior to the start of the exam.
- It is the sole responsibility of the invigilators assigned to a hall to submit the answer booklets to the relevant Examination Cell authorities, and they are all instructed to report back to the Examination Cell upon completion of the examination.
- Invigilators were instructed to notify the Chief Supervisor right away if they discovered or tracked down any unusual incidents while conducting the examinations.

Redressal of External Examination Grievances (University level):

After being sent through the college Examination Cell, questions about results and mark sheet corrections issued by the university are handled at the J.N.T.U-GV Examination Cell.



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Students may request a revaluation, recount, or challenged evaluation by paying the required processing fee to the university if they are unhappy with the grades they received. Students may apply for revaluation, recounting, and challenged evaluation if they are unhappy with the grades they received from the university. To do this, they must pay the required processing fee. The college sends a photocopy of the mark list along with an application to correct errors at the university level for students whose marks are either not entered at all or entered incorrectly. As a result, the college handles any student grievances promptly and with the utmost care.



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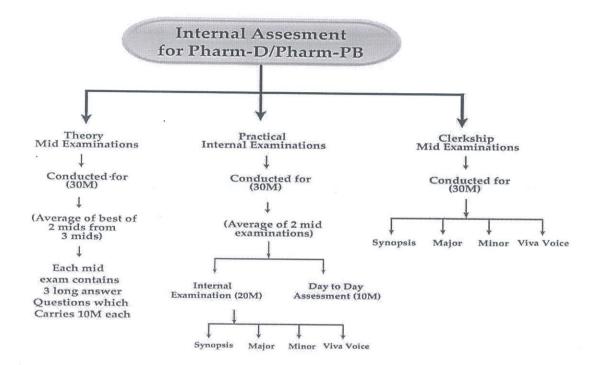
ACADEMIC REGULATIONS AS PER UNIVERSITY AND PCI GUIDELINES



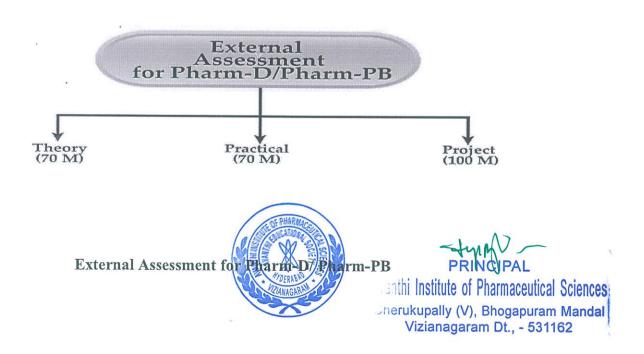
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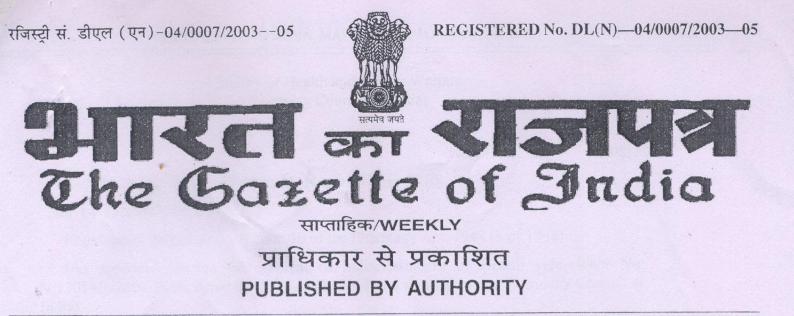
Mechanism of Internal and External Examinations

Avanthi Institute of Pharmaceutical technology follows the academic regulations and guidelines set by the University and PCI, New Delhi.



Internal Assessment for Pharm-D/Pharm-PB





सं॰ 19] नई दिल्ली, शनिवार, मई 10—मई 16, 2008 (वैशाख 20, 1930) No. 19] NEW DELHI, SATURDAY, MAY 10—MAY 16, 2008 (VAISAKHA 20, 1930)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। (Separate paging is given to this Part in order that it may be filed as a separate compilation)

> भाग III—खण्ड 4 [PART III—SECTION 4]

[सांविधिक निकायों द्वारा जारी की गई विविध अधिसूचनाएं जिसमें कि आदेश, विज्ञापन और सूचनाएं सम्मिलित हैं] [Miscellaneous Notifications including Notifications, Orders, Advertisements and Notices issued by Statutory Bodies]

भारतीय रिज़र्व बैंक

मुंबई-400001, दिनांक 9 अप्रैल 2008

सदर्भ : बैंपविवि. सं. आईबीडी.-14241/23.13.048/2007-08--भारतीय रिज़र्व बैंक अधिनियम, 1934 (1934 का 2) की धारा 42 की उप-धारा (6) के खण्ड (ग) के अनुसरण में भारतीय रिज़र्व बैंक इसके द्वारा निदेश देता है कि उक्त अधिनियम की दूसरी अनुसूची में निम्नलिखित परिवर्तन किये जाएं :--

'' अरब बांगलादेश बैंक लिमिटेड'' शब्दों के स्थान पर '' एबी बैंक लिमिटेड'' शब्द होंगे।

आनन्द सिन्हा कार्यपालक निदेशक

[PUBLISHED IN THE GAZETTE OF INDIA, No.19, PART III, SECTION 4]

Ministry of Health and Family Welfare (Pharmacy Council of India)

New Delhi, 10th May, 2008.

Pharm.D. Regulations 2008

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

(As approved by the Government of India, Ministry of Health vide, letter No.V.13013/1/2007-PMS, dated the 13^{th} March, 2008 and notified by the Pharmacy Council of India).

No.14-126/2007-PCI.— In exercise of the powers conferred by section 10 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government, hereby makes the following regulations, namely:-

CHAPTER-I

- 1. Short title and commencement. (1) These regulations may be called the Pharm.D. Regulations 2008.
 - (2) They shall come into force from the date of their publication in the official Gazette.
- 2. Pharm.D. shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.

CHAPTER-II

- 3. Duration of the course.
 - a) Pharm.D: The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases –

Phase I – consisting of First, Second, Third, Fourth and Fifth academic year.

Phase II - consisting of internship or residency training during sixth year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

b) Pharm.D. (Post Baccalaureate): The duration of the course shall be for three academic years (two years of study and one year internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of three years duration is divided into two phases –

Phase I – consisting of First and Second academic year.

Phase II – consisting of Internship or residency training during third year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services, and acquires skill under supervision so that he or she may become capable of functioning independently.

- 4. Minimum qualification for admission to. –
- a) Pharm.D. Part-I Course A pass in any of the following examinations -

(1) 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects:

Mathematics or Biology.

(2) A pass in D.Pharm course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

(3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

b) Pharm.D. (Post Baccalaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

- 5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below
 - i) Pharm.D. Programme 30 students.
 - ii) Pharm.D. (Post Baccalaureate) Programme 10 students.
- 6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.
- 7. Course of study. The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

TABLES

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
1.6	Remedial Mathematics/ Biology	3	3*	1
	Total hours	16	18	6 = (40)

First Year :

* For Biology

Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
2.1	Pathophysiology	3	-	1
2.2	Pharmaceutical Microbiology	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1
2.4	Pharmacology-I	3	-	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
	Total Hours	17	9	6 = 32

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
	Total hours	16	15	5 = 36

Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
	Total hours	15	12	6 = 33

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	(2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	-	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

* Attending ward rounds on daily basis.

6

Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

(i) Six months in General Medicine department, and

- (ii) Two months each in three other speciality departments
- 8. Syllabus. The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
- Approval of the authority conducting the course of study. (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
 - (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
 - (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:

Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, nonteaching staff, etc., as specified in Appendix-B to these regulations.

- 10. Examination. -(1) Every year there shall be an examination to examine the students.
 - (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
 - (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/ Biology	70	30	100	70*	30*	100*
				600			600 = 1200

TABLES

* for Biology.

First Year examination :

Second Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximur	n marks for P	racticals
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100		-	-
2.2	Pharmaceutical	70	30	100	70	30	100
	Microbiology						
2.3	Pharmacognosy &	70	30	100	70	30	100
	Phytopharmaceuticals						
2.4	Pharmacology-I	70	30	100	-	-	-
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			300 = 900

Third Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000

Fifth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoeconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship *	-	-	-	70	30	100
5.5	Project work (Six Months)	-	-	- 300	100**	-	100 200 = 500

* Attending ward rounds on daily basis.

** 30 marks – viva-voce (oral) 70 marks – Thesis work

- 11. Eligibility for appearing Examination.— Only such students who produce certificate from the Head of the Institution in which he or she has undergone the Pharm.D. or as the case may be, the Pharm.D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at examination.
- 12. Mode of examinations.— (1) Theory examination shall be of three hours and practical examination shall be of four hours duration.
 - (2) A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.
 - (3) Practical examination shall also consist of a viva –voce (Oral) examination.
 - (4) Clerkship examination Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.
- 13. Award of sessional marks and maintenance of records.— (1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm.D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.
 - (2) There shall be at least two periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.
 - (3) The sessional marks in practicals shall be allotted on the following basis:-

(i) Actual performance in the sessional examination	(20 marks);
(ii) Day to day assessment in the practical class work,	

promptness, viva-voce record maintenance, etc. (10 marks).

- 14. Minimum marks for passing examination.— A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks. The students securing 60% marks or above in aggregate in all subjects in a single attempt at the Pharm.D. or as the case may be, Pharm. D. (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.
- 15. Eligibility for promotion to next year.— All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than two subjects shall debar him or her from promotion to the next year classes.
- 16. Internship.— (1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.
 - (2) Every student has to undergo one year internship as per Appendix-C to these regulations.
- 17. Approval of examinations.— Examinations mentioned in regulations 10 to12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix–D to these regulations.
- 18. Certificate of passing examination.— Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.

CHAPTER-III Practical training

- 19. Hospital posting.— Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.
- 20. Project work.— (1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
 - (2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.
- 21. Objectives of project work.— The main objectives of the project work is to—
 - (i) show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
 - (ii) develop the students in data collection, analysis and reporting and interpretation skills.
- 22. Methodology.— To complete the project work following methodology shall be adopted, namely:—
 - (i) students shall work in groups of not less than *two* and not more than *four* under an authorised teacher;
 - (ii) project topic shall be approved by the Head of the Department or Head of the Institution;
 - (iii)project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics;
 - (iv)project work shall be approved by the institutional ethics committee;
 - (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
 - (vi)two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

- 23. Reporting .— (1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution
 - (2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-tiles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.
 - (3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.
- 24. Evaluation.— The following methodology shall be adopted for evaluating the project work—
 - (i) Project work shall be evaluated by internal and external examiners.
 - (ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).
 - (iii)Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.

(iv)Evaluation shall be done on the following items:	Marks
a) Write up of the seminar	(7.5)
b) Presentation of work	(7.5)
c) Communication skills	(7.5)
d) Question and answer skills	(7.5)
Total	(30 marks)
(v) Final evaluation of project work shall be done on the following items:	Marks
(v) Final evaluation of project work shall be done on the following items:a) Write up of the seminar	Marks (17.5)
a) Write up of the seminar	(17.5)
a) Write up of the seminarb) Presentation of work	(17.5) (17.5)

Explanation.— For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above.

ACADEMIC CALENDER AS PER UNIVERSITY(JNTU-GV) GUIDELINES



Phone: Off: 08922-294316 Mobile: 8374033688 Website: www.jntugy.edu.in E-Mail: dap@jntugy.edu.in

Directorate of Academic Planning JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY- GURAJADA-VIZIANAGARAM VIZIANAGARAM – 535 003 Andhra Pradesh (India)

(Established by Andhra Pradesh Act No.22 of 2021)

Date: 24-12-2022

Dr. K. ChandraBhushana Rao M.E. Ph.D.

Professor of Electronics and Communication Engineering Director i/c, Academic and Planning,

To

All the Principals of Affiliated Colleges, JNTUGV, Vizianagaram

Academic Calendar for I Year PharmaD for the Academic Year 2022-23

Description	From	To	Weeks
Commencement of Class Work	26.12.2022		
Induction Classes	26.12.2022	14.01.2023	3 W
1 Unit of Instructions	16.01.2023	08.04.2023	12 w
I Mid Examinations	03.04.2023	08.04.2023	I w
II Unit of Instructions	10.04.2023	01.07.2023	12 w
II Mid Examinations	26.06.2023	01.07.2023	1 w
III Unit of Instructions	03.07.2023	23.09.2023	12 w
III Mid Examinations	18.09.2023	23.09.2023	1 w
Preparation & Practical's	25.09.2023	30.09.2023	l w
End Examination	03.10.2023	14.10.2023	2 w
Commencement of Next Year Class Work	16.10.2023		

ote: Academic Calendar is prepared with 8 hours/day



DAP i/c, JNTUGV

Prof. K.C.B.Rao Director, Academic and Planning (DAP) JNTUGV-VIZIANAGARAM-535003

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PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Website: www.jntuk.edu.in Email: dap@ intuk.edu.in



Phone: 7032894555

Directorate of Academics & Planning

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA-533003, Andhra Pradesh, INDIA

(Established by AP Government Act No. 30 of 2008) Lr. No. JNTUK/DAP/AC/ II,III,IV & V Years/Pharm D/2022

Date: 28-07-2022

Dr. KVSG Murali Krishna,

M.E. Ph.D.

Director, Academics & Planning JNTUK, Kakinada

To

All the Principals of Affiliated Colleges. JNTUK, Kakinada,

Description	From	To	Weeks	
Commencement of Class Work	01.08.2022			
Community Service Project	01.08.2022	13.08.2022	2W	
I Unit of Instruction	15.08.2022	29.10.2022	11W	
I Mid Examinations	31.10.2022	05.11.2022	1W	
II Unit of Instructions	07.11.2021	21.01.2023	11W	
II Mid Examinations	23.01.2023	28.01.2023	1 W	
III Unit of Instructions	30.01.2023	15.04.2023	11W	
III Mid Examinations	17.04.2023	22.04.2023	1 W	
Preparation & Practical Exams	24.04.2023	29.04.2023	1W	
End Examinations	01.05.2023	13.05.2023	2W	
Commencement of next Year Class Work	05.06.2023			

Academic Calendar of II, III, IV and V Year Pharm D

* As per the APSCHE Guidelines Out of the Total 180 hours of Community Service Project leading to 4 Credits, two weeks will be offline and remaining project work can be done during the III-I semester weekends and holidays.

All the B. Tech, B. Pharmacy & Pharm D students admitted from 2020-21 onwards are supposed to do CSP (Community Service Project)

Copy to the Secretary to the Hon Copy to the Rector, JNTUK. Copy to the Registrar, JNTUK. Copy to Director Academic Audit, JNTUK. Copy to Director of Evaluation, JNTUK.

Director Academic Plannin ademic Planning INTUK Kakinada

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Phone: 7032894555

Directorate of Academics & Planning

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

KAKINADA-533003, Andhra Pradesh, INDIA

(Established by AP Government Act No. 30 of 2008) Lr. No. JNTUK/DAP/AC/ II,III,IV & V Years/Pharm D/2022

Date: 28-07-2022

Dr. KVSG Murali Krishna,

M.E. Ph.D.

Director, Academics & Planning JNTUK, Kakinada

To

All the Principals of Affiliated Colleges. JNTUK, Kakinada

Academic Calendar of VI Year Pharm D Academic year 2022-23

Description	Date
Commencement of Class Work for Internship	01.08.2022
Closing of Internship (12 Months)	29.07.2023

Director Academic Planning Director Academic Planning JNTUK Kakinada

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INTERNAL THEORY EXAMINATION ASSESSMENT



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IV Pharm D I MID Examinations R8, November 2022

Subject: Clinical pharmacy

Branch: Pharm D

Time: 120 min.

Max. Marks: 30

Date of exam: 2/11/2022

S. No	Questions	Blooms Taxonomy Level	Course Out Come	Marks
	Answer any three questions			
1.	Define medication error? Explain Types of medication errors in detail.	Apply Understand	CO1	10
2.	Define ADR? Explain Types and management of ADR?	Apply understand	CO1	10
3.	Write a note on introduction & function of drug information center? Explain various drug information resources available.	Remember apply	CO2	10
4.	Write in detail about development & scope of clinical pharmacy.	Apply understand	CO2	10

of the faculty Signature



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IV Pharm D I Mid Examinations PCI (R8), November 2022

	TV That in D T White Examinations I CI (RO), NOVEMBER 2022			
	Subject: Clinical pharmacy Branch: Pharm		arm D	
	Time: 120 min. Max. Marks: 30 Date of exam		Date of exam:2/2	1/2022
		Scheme of Evaluation	on	
1.	Define medication error? Expl	lain Types of medication er	rors in detail.	(10 M)
	Medication	error definition – 2 M		
	Types of m	edication errors – 8 M		
2.	Define ADR? Explain Types a	and management of ADR?		(10 M)
	ADR Defin	ition -2 M		
	Types of A	DR-4 M		
	Managemen	nt of ADR-4 M		
3.	Write a note on introduction	& function of drug infor	mation center? Explain	various drug
	information resources availabl	e.		(10 M)
	Introduction	n & Function of Drug Inform	mation Center -5 M	
	Various Dru	g Information Resources –	5 M	
4.	Write in detail about developm	nent & scope of clinical pha	rmacy.	(10 M)
	Developmen	nt Of Clinical Pharmacy- 5	М	

Scope of clinical pharmacy -5 M



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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P 531162. (Approved by AICTE, PCi & Govt. of A.P. Affiliated to JNTUK, Kakinada) <u>SUBJECTIVE TEST</u>
JNTUK Reg. No. : $1 9 T 5 1 T 0 0 1 4$ Neorenos and give Date TMID
Student Name : p. prasanna Year: 4th Sem : IMID Branch B. Pharm D/Pharm D (P.B)/M Pharm
Dranch . D. Fharmi D., Tharmi D. (1.D)/ Will harm
Specialization :
Subject Name Clinical Pharmacy of Marks Secured :
Marks Secured : Invigilators Signature : Y.
Medication evider: 9 por stob sontonos
When a worong drug or worong dose of drug & wrong
route of administration is given wrong time to prevent
or treat the disease & disorder then it is known
as medication evoror. Destroitup grog sugar
Causes of medication courons:
> Doctors - Evorors occurs in writing prescouption
-> Nuorses - Europois occurs during administration of
deugs. deuts of constraints purb
-> pharmacists - Eviside occurs during dispersing of druge
Appenuerig most and Patient Courselling.
Jypes of medication evoros:
-> Presconption courds main appropriation -
> unauthorised deug evisions
-> Doug deteororion eourdes
-> Monitoring courds
-> Monitoring courds -> Compliance courds
-) Compliance cowloss -> Wrong dose everos
OVOLVEL SOME GAROKE CHECK
print & worong dosage form events losiget under
funt

Avanthi Institute of PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Control of Pharmaceutical Sciences -> unordevied drug use ered

-> Omission of close could

-> Extra dose consider

> This type of medication evenoses occurs while writing the presconnetion.

-> Doctor is responsible for prescontiption europole.

pup Doug deteoration enous: vous - stringer

-> The drugs that ave purchased from pharmacy have defects when expires date is crossed -> When preparation expires it should not be used as it may cause in defect in drug composition and leads to adveorse drug deactions. Monitoring eoistooss:-

-> When drugs able administed Ex Psychotropic drugs we need to monitor the patient as it involves some adveoke effects.

-> When typical one administered if monitoring

Avoid the second of the second

Compliance evisions: -> This type of estatoons occurs due to doctor. phon from -, Doctors able not adhese to their prescribed drugs. -> Sometimes it may leads to medication error. fu stimach Musiong dose of drug: porto posted int -> When wrong dose or inappropriate dose is given then this type of cours occurs. Enteration drugs then it shows action omath instead Pediatric dose of paracetamol is 250 mg tablet Ex in two divided doses where as adult dose is such beres brook 500 mg TID. -> Dose calculation should be done for pediatics & gediateics based on posology. As their metabolic pullo rate 2 is low, dose given is also plower mode (Worong dosage form error: after meals -> Different dosage tams like tablets, Capsules, injections, sysups, comments etc are available. -> Baved on age and condition correct dosage tam Should be prescuebed igquis ulquis u +1 Ez for pediatrics sympe should be given. Spurble in In emeorgency Condition injections are mole preferred Wrong route of administration evoid. -) It occurs when soute of administration is wlong. some drugs entre classe is que problement soute > for Some chargs/ with shot of Injections can be given in iv or in or SC. -> In emergency conditions intravenous route of administration is mole preferrorable Ja Stal soute is preference for younger prople. incase PRINCIPAL

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MOTION OF CONSILTER Wering time of administration error -> The time of administration is wrong then this ered occurs. spurp Sometimes it may leads to medication erro Er proton pump inhibitors taken on empty Stomach for betteur action. Purb la schab proverse -> When wrong close or inapprepriate c -> If enteric coated tablets are taken after alkaline drugs then it shows action in Stomach instead of intestine It causes gasteic initation. 83 05 unordevied drug use ered: The older of drugs administration should be gediatily band on polology build without -> Some drugs taken before meals & Some drugs after mealsure drome mot eposob provertil -> The Change of order of taking drugs result in medication estoris augustic au available ominion of a dose resolved bas apro no based to -> It is simply skipping lot dosg. ad bloods. Ex for Chenotherapy skipping of dose should not som occurs it may affects the apeutic action of drugs > If any dose is skipped then if it is time for next dose, take next dose. Extra close error: -> For some drugs extra close is given for better therapeutic action but it may leads to toxic effects En Heparin induces bleeding Streptomycin Cause deaphers with disimbo Basbiturates gauerna and stude PRINCIPAL

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or arma 2) ADR: Adverse Drug Reaction It is undesirable or unintended effect caused by the drug at normal levels (dose) @ which is used to prevent or diagnostic or treatment of disease or disordeur. TYPE I - - unpredictable & class TYPES OF ADR'S: Idipsyncology (1 -) Augumented -) Bizzavie (1) -A112194 -) Cheonic iii) Genetic -> Delayed ?) Ertra phasmacological effects -) End of use -) It causes toxic effects Augumented :--> predictable & close dependent 13 -> It is surectible process. -> Common type of ADR. -) It is due to phaemacological action er fereors by vaccine mot supported, oits a (i) Sécondavily phasmacological effects : -> unpredictable & close dependent - There are from -) It is an irreventible process -> It is life threatening. of tud 20000 padl c-El pencillion hypeorenstivity of priditions & Artificiation :: Sedection :: Sinout -) It occurs due to chionic use of daugs. NSAIDS on Cheonic use cause repheotoxicity ER 17) Ketusn affect or Kebound affect Delayed: -) hipen drugs as stapped then -> It occurs after months - yr when drug stopped. Er Carcinogenicity, teouitogenicity - Julashbin Thalodomide cause photomelia tur End of use: PRINCIPAL 10nces Cherukupally (V), Bhogapuram Manda Tto occurs when

Ez opoids

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TYPEI -> predictable & dose dependent A.D.R. + Adverte Downg i) Extra pharmacological effects ii) Secondaiving phaemacological effects pilo all Sal iii) Return effect after Stoppage of drug TYPE I -> unpredictable & dose independent avi i) Idiosyncoracy > Augumented -> Bizzame ii) Allergy -> Chronic iii) Genetic -> Delayed i) Extra phaemacological effects asin to pus t -) It Causes toxic effects Augumented ? Hepavin induces bleeding identifiers Er -SIT & SLEVESKEDIE Barbiturates cause Coma -> Common type of Steptomycin cause deafners -) Extra close cause tonic effects policies of Bizzaster ii) Secondary Pharmacological effects -> These are Known as side effects a unpredicta -> They occurs but for primary drug action we are prescribing the drugs transpl allong 2 Ex Antihistamines Cause Bedation (theopsil :---> These are commonly predictable ause replactoriest EL MSAIDS OF Cheorie We iii) Return affect or Rebound affect Delcured: -) When drugs are stopped then effect is shown. EL. CLonicline given for Hypeortension if it is Stopped Suddenly then it may cause hypotension. · Stoppage of antientert Caus Avanthi Institute of Pharmaceutical Sciences

Stoppage of CNS Cherukupally (V), Bhogapuram Mandal Caulizian Garafie Dt. 531162 mention

MANAGEMENT OF ADRI Asus the nature ? Sevenity of ADR ISAN i) I diosynceracy of sale pd barrow and grips -) These are unpredictable of plice was 115 cherus -> Reason of occurring is unknown, no wines ? -) Some drugs shows action in people but few people have adverse effects and the Ex pencelles hypevisenstinity - only two people are Sensitived to pencillins & Some will get the NAN. hypeonentinity reactions 3) Patient medication ii) Allergic por Anaphylactic tog straitsque--> Some drugs cause allergic seactions to bew Patients restan pueb - -> En some people get allergic reactions to (1) arthe antibiotics like Sulphonamides -> Sometimes it may leads to anaphylactic Stock which is leaf threatening condition and (e iii) Genetics: build not a situada and purch c--> Some people have genetic depects or mutations it may lead to ADR -> The dwig concentration Checke EI: Glucose - 6 - phosphate dihydrogenase deficiency Cause haemolysis with primaquine.) phasnac · patient with genetic depect have decouraged rate like procaniamide & of metabolism for drugs held for risk / ponetit isoniazid. Report given to pic

Wanters

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has a principal

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MANAGEMENT OF ADR: 1) Asses the nature & Severity of ADR 1941 -> Symptoms caused by ADR are categorised based on Sevenity Scale like naranjo Scale 2) Review on present symptoms 10 millions -> present symptoms should be seriew by pharmacist -> It is done by dechallenge - Stoppage of drug Shows incoreaces or decreacer symptoms. -> Rechallenge - Readministering the drugs Show incouease or decouase of symptoms nypearconthin 3) Patient medication history: -> Patients past medication history & past (medical history should be asked -) Check for any drug-drug interactions 4) further investigation -> daboratory tests are peorformed to furtheor porte investigate the ADR pom to semitemod (~ 5) Therapeutic drug monitoring and india -> Drug therapeutic action should be checked. 6) plasma drug Concentration -> Some people ha -> The drug concentration in plasma should be Checked.) If toxic dose causes ady or not up? Caux hasmalysis why pringquine. -> Phaemacist Should talk with physician & confirm ADR by literature of metabolism for drug -) Check for risk / benefit ratio of drug. 7) Report given to PTC: ADR is reported Phoeneceutral Solo the apprincipal 18 Avanthi Institute of Pharmaceutical Sciences

Santa - Ta neugeneisiv for fuether the fige tige tige tige (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Acup. SULSOUNCES S-Farma Doug Information Centre maine manife It is a process of providing information storethe health Caure professionals and public by pharmatists (or other medical professionals), soprisous runto main aspect of deug information centre is -> The to provide information togetheor from diffeorent resources and made it available for people for Safe we of drugs Industries -> posson centres. Introduction -> Drug information centre is secognized by WHO (world health organisation) as national program for safe & rational use of dnigennerop --> Drug information is provided to public que -> Drug information services are givent noutrail -Functions: Dribs is bousined ton ine part -> It provides complete information about drug to public. not accurate USAL E-> It also provide seowice to health Case system.) wimany It gives information about toxicology. > It includes Researches , journals DI Kesources :- manifold the reader of e--> These should be accurate & updated -> They should be determined by extent of agreement Mole than two sources should be available. -> -> They provide infolmation in different bolmats. PRINCIPAL Drive) KROW (LOU) Wartini Institute of Pharmaceutical S Avanthi Institute of Pharmaceutical Science

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Main resources:-

-> Primary resources no not on of pure? Secondary resources 1 1 2000 0 2 11 -> Tertiary resources monthly and the Other recources: sprokening lastour realto 10) -) The main aspect of drug informerication is Soveanment bodies , dibraries bing of Stadigtes and made it available taylors and Safe use of drugs -> Industries. -) posson centres. "Introduction -> Drug intermation centre is seccitagestrayby Ho (world health organisation) asignaturation block - Government news we broiter 3 yes by -) updaited ones behinning as nothermitight purch a Disadvantages ses somes destampini pur e--) They are not serieved or editable befole -> They should need advers (URL) -> They are not accurate shiring allo they Primavry presources noitomotoi sovip + I (--> It includes Reseaviches, journals. -) The researcheor and publisher are having the patentible 3 stand of bload want ethe sight involves new inventory of bloods port a -> Midely and and solver out with show a Advantages: 120 ni montani shiving politic-Know about hew drugs PRINCIPAL Avanthi Institute of Pharmaceutical Science Agoilite Can Avanthi Institute of Pharmacoutical Scien

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-) It is better for new daugs. -> Journals are helpful to pharmacists or hearthcase professionals in many ways They are ! -) To update their knowledge -) TO know about a problem Solvation that is done by another clinician pharmacist -> Preparation to examine platin in the -> Tominteractions with other health case professionals -> To share news. Jupp but trofic Disadvantages action of listo saving 12 --> It has limitations. -> Rimple to patient -> Contraveorial. Disadvantages -> It includes many complications like acceptance by editor is time consuming & it should have documented endence. Secondairy resources -> It includes abstracts -> There are three types of abstracts. They are: i) Tele communicate abstracts (only String of words) ii) Indicative abstract (Sentences) iii) Informative abstract (Summary) -Advantages -> It is useful for higher gradiliancy. Disadvantages -> It does not give complete information the Avanthi Institute of Pharmaceutical Sciences

-> It is Complicated than primary Vizianaga and D. - 331162



It is better for new derig resources it is promising at lingight an islander of a -> Complex to patients. -> It is de varely used with stability of c-Jertiany resources -) To know about « -> It includes text books and internet sources. -> It is widely used on the note want of Advantages land to the dia another and the -) To share views... -> fast and eary; Disadvantages -> It gives detail information. -> It has limitations -> Simple to patient. Diversional C Disadvantages > It includes many complications like acceptance -> Two to three books Should be used. PRINCIPAL endence Avanthi Institute of Pharmaceutical Science Cherukupally (V), Bhogapuram Manda. Vizianagaram Dt., - 531162 It includes abstracts - These are three types of abstracts. They are 1) Tele Communicate abstracts (Config String of Costs) ii) Indicative abstract (scitences) ib) Informative abstract (Summary) Advantages -> It is useful for highey graditioncy. Disadvantages pelete informationerideal to'n 2005 the Avanthi Institute of Pharmaceu loal Sciences

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IV Pharm D II MID Examinations R8, February 2023

Subject: Clinica	l pharmacy	
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Time: 120 min.

Max. Marks: 30

Date of exam:25 /02/2023

Branch: Pharm D

S No	Questions	Blooms Taxonomy Level	Course Out Come	Marks
	Answer any three questions			
1.	Define biomedical literature. Explain the process involved in evaluation of biomedical literature.	Apply Understand	CO2	10
2.	Explain the investigations involved in liver function tests (LFT)&Thyroid function tests.	Apply understand	CO2	10
3.	Write in detail about scope, definition & aims of pharmacovigilance.	Remember apply	CO3	10
4.	Define the term pharmacist. Discuss the role of pharmacist in management of ADR.	Apply understand	CO3	10

Signature of the faculty



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IV Pharm D II Mid Examinations PCI (R8), February 2023

Subject: C	Clinical pharm	macy		Branch: Phar	rm D
Time: 120 r	nin.	Max. Ma	arks: 30	Date of exam: 25/02	2/2022
		Scheme	of Evaluation		
1. Define biomedica literature.	al literature.	Explain t	he process invol	ved in evaluation of	biomedical (10 M)
	Biomedical	literature de	finition – 2 M		
	Process Invo	olved in Eva	aluation of Biome	dical Literature. – 8 M	
2. Explain the invest	igations invo	lved in liver	function tests (Ll	FT)&Thyroid function to	ests. (10 M)
	Investigation	is involved	in liver function to	ests (LFT) – 2 M	
	Investigation	is involved	in Thyroid functio	in tests -2 M	
3. Write in detail abo	out scope, def	inition & ai	ms of pharmacovi	gilance.	(10 M)
	Definition of	fpharmacov	vigilance-3 M		
	Scope of pha	rmacovigila	ance- 3 M		
	Aims of pha	rmacovigila	nce- 4 M		
4. Define the term pha	rmacist. Disc	cuss the role	of pharmacist in	management of ADR.	(10 M)
	Pharmacist d	efinition – 2	2M		
	Role of phar	macist in ma	anagement of AD	R-8 M	



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	ESTD: 2005 : 14.265 - Subunnammet stationph 3	
	JNTUK Reg. No. : 19 T 5 1 T 0 0 1 6 Date :25/2/2023	
	Student Name : R. Harshavardhini Year: 4th year Sem : Mid Exam -I	
	Branch B. Pharm / Pharm D. / Pharm D. (P.B) / M. Pharm	
	Specialization : Time	
	Subject Name :: Clinical Pharmacy Total Marks	
	Marks Secured : Invigilators Signature :	
-	1	
ð	Liver Function Test:	
	Trèse aue med to determine the liver, functioning	
	Bilurulin is used to measure overall liver junction,	
	berum alleumin and prothromlin time indicates synthesis	
	of protein in Liver.	
;	Alleumin. It is a protein, synthesized in liver up to	
	10 to 15g per day, of which 601. is found in ECF and the	
	balance 401. in the serun.	
	Huppalbuminaenia, tom cause edena it may le	
	due to volamage in kidneys. Because of short half-life	
	of Allumin it cannot confirm the change in liver function.	
	anne present a provincia an	3
	Bilirulein: It is tested to diagnore joundice. If its	
	level is alleve 50 mol/1 it indicates jourdice.	
	Enzymer:	
	pristanilets Alleurin versis 88: 59/2 month bierger	
	2. Bilurubin - skigund/Lissonino sit Gtotal)	
	JAGIDNIAZ. Biluousin Junol/L. Humol/L.	

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Alananine Transaminaise - 260 μ/2 4, CALT) 5. Aspartate transaminase -235ML 15/2-23 UKREGNOS I 9 T 5 T T 0 0 1 6 (T2A) Student Name : R.+ Jorsha Vaudhimi Year: qthycar Sem Mid Examin Alkaline phosphatase - 235-130ML 6. 7. 7- Glutamyl transpeptidase - K70UL Alkaline phosphotase: a la la la la station in the station of the R It gives an idea about obstruction in hile Bilunulin is used to measure success lineting berum alleumine and protinomium time indicates synthesis of protein in liver Tromsaminases : There are two transantinases AST & ALT. AST levely are increased in liver diseases, balance 401. in the serum. myocardial infraction, surgery and injury. if what he ALT level is in increased in moal diseases! due to volonnage in sédneys. Recause of short half-life et dleumin it cannot confirm the change in liver function 2 - Glutamyl transpeptidare: It indicates the hepato hiliary diseases. ate spalevel is alleve 50 Mmotte it indicates jourdie Thyroid function tests: : rowher; Thyroid hormones are luceynthetized by iddinating the amino acid tyroline. - adurentia (total) I James nichwardig PRINCIPAL

Cherukupally (V), Bhogapurain Mandal Vizianagaram Dt., - 53/162



Avanthi Institute of Pharmaceutical Scienc Cherukupally (V), Bhogapuram Mand Vizianagaram Dt., - 531162 To texter bod is branche big pill you and bodresine lighteethyroidiess sig des agodaks then hypothyro Serum total T3 is measured very Radio immuno Assay. By in-vitro analysis 2¹²⁵ is added to patient's serum. In hypothyroidism, there are less occupied and more unoccupied TBG lites where as opposite is the case with hyperthyroldism.

0.9-4-4.8 MU ml 64 1421 2. Ty tests:

Ty is isolated by ion exchange column chromatography and determined try colorimetric method.

determined my a rompetitive protein FTy is leinding method. In syperthyroid patients will have excess FF4 as and if it is less it indicates 1. hypothyroidum. pribrioterstandent, insmalleser adverse effects or any other medicine related prelifems.

3. TSH tests:

> Normally TSH is more in hypphyroid patients and less in Hyperthyroid patients. TSH

NICC aspe is measured by Radio Immuno Assay.

1. To improve patient care & safety. Radio Active Iodine Uptake test:

Patient is given a small amount of Iodine

Chadio Active It excess of Iodine is

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fur

alworked So lay thyroid gland it indicates hyperthyroidiem, if less uptake than hypothyroidism. asserver sector 13 in ance<u>stileventiladistanter 155234</u> leg in-vitro analysi. 16/2012331= 28/ded to Eltioni beigner in hyperby reider by RIA there are dess arounded. end more , unoccupies desta 11 - tela unhere pT eppestie is the case within the states of the

TSH 0.4-4.8 MU/ml by o. Ty tech. RIA in insolated sites fordet should shall be pt · barten sintan Palethry = 10-35/ motolo bro

FTy is determined by a rampetitive protein. Isinding method in In supertryong patients i 3. The science and activities gelating to detection, assessment, understanding and prevention of adverse effects or any other medicine related problems.

TSH tests: Trait more of Pharmalougilance: 1 ullance

The primary aims of pharmacouigilance ages

1. To improve patient care & safety. Intradico Active Icdime aptake Lest mibel jo 2 monto renhance public health.

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3. To encourage monitoring, understanding and training in pharmaconigilance or purp. rest program there by alerting health tool unorported un trattorio meditic. 4. To promote safe and rational Maumacerigilance assurginghammel: more of Pharmaconigiance. department easy day as the organisation catorio Pharmaconigilance and clinical pharmacy alient spusieu dauge, semmetendard drugs . De Therapeutic drug Monitoring and Drug therapy review are the important tools in program of clinical clinical bials, mediainessitantemative If the information found during the program is relevant it can be smored Itland with other health care providers, to perpharmaconigilance centers radication programs and famous me 2. Pharmaconigilance vond Medicine Policy: . In order to grame National drug Cherukupally (V), Bho

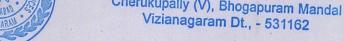
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is useful. As it provides information alcout drugs that are not sultable in community settings and menich other drugs can lie promoted in national health programy. t. To promote date and national 3. Pharmaconigilance and doug control: makes the work of drug control It department easy ag as the organisation is responsible for gothering information about spurious drugs, sub-standard druge jurd bac printingen purch siturgendigilance. This program also emphasize monitoring of cliqueal trials, medicines of alternative ant bystems and machines in art je program is relevant it can be 1999 Pharmaco nigilance and Public health Programs. Vaccination, TB, Malaria, leprosy etc. eradication programs and famous ne Police : family planning programs voire run in all primary health case centers. Service of ance of ance of the service Avanthi Institute of Pharmaceutical Sciences

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Evaluation of Bio Medical Literature: 1. 1. Evaluation of Teritiary Literature: Cheruhupally information is findexed on adutrate presented. Teritiary fiteratures are the collection of information. from secondary and primary sources. Hence there is always possibility of errors. with proper evaluation the DIC pharmacist can decide how far the ender information can de relied on . The following questions to de asked for the evaluation of Teritiary Literature 1. who are the althors? . pue 2. what are their credentials? userts Bi How much recent, are the literatures ter pi trapper the literature have single or multiple Authors? 1. Introduction Is it isupported by references. Materials and Nethods Is the cost wort of material? 61

PRINCIPAL PRINCIPAL Avanthi Institute of Pharmaceutical Scie Cherukupally (V), Bhogapuram Mar Vizianagaram Dt., - 531162 Children and Child

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2. Evaluation of secondary literatures:

Secondary literatures are those in which (Pair general Sa) information is indexed on alutraits presented. As it is hage notime of resources they breaking are published in CDs, stather than printed bounces. Honce there is alwaymonthelibility

entre Basic questions that need be asked for Dic phasmacut can**noitament** for the

privaglief 1. How many journals are correred for is dering

- mitsulars all Time hetween orginal publication and Indexing interation pristant
 - 3. what is the cost ones

1) 4. whether it covers only drugs.

persion : 3. Evaluation of Primary Literatures:

It should be evaluated part by part.

multiple Authors! 1. Introduction E. Is it esupported by reference.

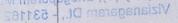
2. Materials and Methods

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4, Stype ?! PRINCIPAL Avanthi institute of Pharmaceutical Scie Cherukupally.(V), Bhogapuram



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Introduction :

In this itre author neuolity describition reason for conducting the istudy while there the aime tor, objectives, he peloposes to achiene. Here the greader som determine whether ut is a naturele course of Investigation.

Materials & Methods:

Discussion

Results:

prarm

de insteare it states how the geseartch is learnied out, The sample, study design and the test method. Factures such as age, sex, secretly of disease, physical fitness etc. Minding and some study design. Blinding & randomization are three elements to examine study design. Blinding & randomization are kield to geduce liae and on loth one innestigators and subjects.



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Results:

Introduction:

All the data collected is summarized. It should be checked ashether the results given of are all of the patients if aquinoppe not reason for drop out or omnission. All the data in the teet, table, and graph are agree with each other and Invistigation. subjected to statistical analysis.

Discussion:

Materials & Methods:

i Here conclusions are drawn. we have to check repether the conclusions tally with aimilier objectives of the study if not bigging the study design must be evaluated

again.

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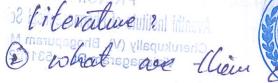
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PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Centr Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 sant migation examine study design. Blinding &

sandomination are used to reduce and on lipth one investigators large and subjects.

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AVANTHI AKMA SCIENCES Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P. - 531162. (Approved by AICTE, PCi & Govt.of A.P. Affiliated to JNTUK, Kakinada) SUBJECTIVE TEST ESTD: 2005 JNTUK Reg. No. : :252/2023 Date **Student Name** Year : 4^{τ} ray notha Sem : Mid - IT : B. Pharm / Pharm D. / Pharm D. (P.B) / M. Pharm Branch **Specialization** Time : clinical Pharmacy Subject Name **Total Marks Marks Secured Invigilators Signature :** ability critical Evalution is the Judge to the Scientific Value li terative * This has to be in a systemic done. manner that all the information given in the moldica (I tane ture is vertified with out oversight Cox) trian * A clinical pharmacis have to Evalute bromedical l'éterative about clinical toials (on) review Paper de scriting inventions (or) theapentic guildines developed by hospitals thon ine: svaluation lakh 2 Selection 2 Jour Published yean which Alerature are. inpossible. one to Duity Sach Evaluation of tortiary literature described Scoulier te stiary lection are the Information from 20 & 1° Soroces Cortain questin adred ine reader the author con cohitogo of the who



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3 How much recent are those literature? @ Does the leteratures have single cor, Multiple author SAE is supported by reference, popula 3 Evalution of 2° literature - 2° literature and those in which information is indexed (or) abstract presented AS it represent huge volue of resource, they are new-adain Published as soft lopy cos. vather than Printed form, singleric in a systemic moto sol al * These voo we are marked as data base & Periodically updated for which the buyers needs to subsorbe anulay. * though costlier they are worth investry as it makes the Job of Dic Pharmacist More sasier, Compared to manunal search of literature which is both time consumy inpossible to wing sach one mos with & (4) Evalution of 1° l'élevature ?? l'éterrature has to be Evaluted Part by Part (a) component ofter component, only them pharmacist car betenine Ets word? application in Practice settings time

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Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mar Jal Vizianagaram Dt., - 531162

* Introduction :- Reason & objective of the sticky * raterial & methods: subject, study design & test nethods * Result: data 4 its statis ; cal analysi * Discussion: Concluston drawn. * Introduction, In this part of bioredical Elevature, the author neerally describer the reson cor mational for conducting the study & they airs con objectives * Material & Methods: It is more inportant Part at literative in alles it describer how the vesecoch cous canned out, * Prosult; - In this section all the data collected drowing the study is sumarized * trey are the stastistically analysed. & finally the surve process of stag fistical analysis be the voult intercopreted from it has to be fully in vestigated * Discussion: - The Cast JANSissa the discoutor ection Cohchering Pore

Avanthi Institute of Pharmaceutical Science Vizianagaram Dd. - 531162 Avanthi Institute of Pharmaceutical Science Cherukupally (V), Bhogapuram Manda' Vizianagaram Dt., - 531162

as publications 3 - Adaptas as Clifter al Ale

2 TFT: - Thyroich function test. * thyroid Harnone are Biosyntheized by rodinciting the anno acid Tyroshe. * Typrosine is idinated sitter 1000 2 siter is named as monsido thy rosine (MIT) lov ditodo thy rostra CRM antia M. suborshi to MIT & DIT coupled to form to brod-Augrone & 2 notecular of DTT coupled to form Ty later known as thy roding * T3 & T4 are Embedded in a gly coperation called thyroglobulie in tyroich cells. * The formulation of T3 R T4 in blood stream by action of Protense. * Tray are the stastistically everyged. * The functions of thy roids havened is to Pronote proteen synlleis in all Edy tissue & 1 02 Consupting in liver, kithey, ite ant woisessing

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Test for thy roid function to the test for thyroid gland fuctory all O T3 O T4 T4 * 784, is less hall when the BET O & Hyporg O RAIU * T3 Test: - T3 fast is menally done to diagnose Hyperthyrordism. * slevated T3 levels are Mostly Seen in Pregant ky ladies & in females and are achustering oral Contraleptives + 13 glerated Gevele are also seen in Graves alterage DTytest: - ty as Circulaty in blood Either bourded cor , un bandled formar free Molealy + Bollo these form of Ty we measured in seren total T4, whereas as T4 to record on free ty

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3 TSH Test: - This test "casure the anout of 7.8 H Presut in blood. + TSH is More when less amout of Thyroxia seeled tes in Hyporiodism * TSH is less I will when excee of thyrown secreted as me Hyperty voidien @ Radio Active Jochnes- It is non-blood test in which PE is given a small anout of radio active sodine & its uptake by Augroich glande is determined. Condition To T4 TSH DAM TSH Hypalia and Allera Gyand Cliffeed to call in Hypo Normal 85-185 5-11 0.4-4.8 5 km-35-15% value my/dl mg/dl my/ml 24/23-10-35% sy Bolly Thease Avanthi Institute of Pharmaceutical Sciences

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* LFT: - liver function test. concentration of Ensuper & other Corports in service can be measured in transpiction Testo * specific fuction of the liver land be Anantifed by these tests. A these enzyme are weful in diagnosis & wortahig the progress of liver disase * Bilinum is an Enzyne neasioning the overall liver furchion * servin albunin levels & prollombin the Indicate synthesis of Protein in liver * Alterine physphorte Estimation gure an idea - Transminage level indicates liver infuny O Alburine :- Alburin is protein southied in livor uplo 10-15 gulday of which 60°% found in SCF & 40% foud in se grun

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arn * Ains: To improve Pt lage Safty

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IV Pharm D III MID Examinations R8, April 2023

Subject: Clinical pharmacy

Branch: Pharm D

Time: 120 min.

Max. Marks: 30

Date of exam: 20/04/2023

S. No	Questions	Blooms Taxonomy Level	Course Out Come	Marks
	Answer any three questions			
1.	What is patient data analysis? Write in detail about its structure in patient care history.	Apply Understand	CO3	10
2.	Write in brief about quality assurance of clinical pharmacy services.	Apply understand	CO3	10
3.	Define drug utilization evaluation. Write in detail about steps involved in drug utilization evaluation.	Remember apply	CO4	10
4.	Write a note on a) drug therapy monitoring b) ward round participation c) medication history d) patient counselling.	Apply understand	CO4	10

Signature of the faculty



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IV Pharm D III Mid Examinations PCI (R8), April 2023

Subject: Clinical pharmacy			Branch: Pharm D		
Time: 120	min.	Max. Marks: 30	Date of exam: 20/04/2023		
		Scheme of Evaluation			
1. What is patient of	lata analysis? W	rite in detail about its structur	e in patient care history. (10 M)		
	patient data a	nalysis definition – 2 M			
	Structure Inv	olved in patient care history –	8 M		
2. Write in brief ab	out quality assu	rance of clinical pharmacy ser	vices. (10 M)		
	quality assuran	ce of clinical pharmacy services-	- 10 M		
3. Define drug uti	lization evaluat	ion. Write in detail about st	teps involved in drug utilization		
evaluation.			(10 M)		
2	Definition of	drug utilization evaluation -3 l	M		
	steps involved	l in drug utilization evaluation	-7M		
4. Write a note on a)	drug therapy m	onitoring b) ward round partic	cipation c) medication history d)		
patient counselling.			(10 M)		
	Drug Therapy	Monitoring – 2M			
	ward round pa	articipation -3 M			
	Medication H	istory- 2M			
	patient counse	elling – 3M	- Company		
		\frown			



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(Approved by AICTE, PCi & Govt of A.P. Affiliated to JNTUK, Kakinada)
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1) patient data analysis:
-) used to maintain sucrete
The information that is collected from laboratory tests
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of patient is analysed to the diagnoses of disease,
treatment of disease and prevention of disease. This
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(ii) INSTITUTE 01 FIIamiliadeutical Sciences in rukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



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Kegistration number:--> It is used to identify patient.) for maintaing records. 97517001 2 used to know department. Name of patient: -> It is used to Know patient lasinil > It is helpful for giving medications regularly. data analysis - used to maintain records. The information that is callected from laboratory tests -> used for billing puoposes. of patient is analysed for the diagnosis of disease, Reatment of disease and prevention of disease. This Rest is need to adetermine accurate dose for Pediatorics and gediateics. Structwine of patient data -) Low dose should given for children & elder patients Gendeur of Patient : stab lanosreg -> It will determine the occurrence of disease. -> Males will have high chances to get malignancy, Colon cancer , Have Cancer etc. -) Jemales avre more prone to get menstornal Psublems, wounavy toract infection. Past Surgical historytats lation -> Mavuried people have mole occurrence of diseases like Acute Immunodeficiency Syndwome, witcwia etc > It will helpful to knowing the etiology of PRINCIPAL disease. Acouthi Institute of Pharmaceutical Sciences Avanthi Institute of Pharmaceutical Sciences cherukupally (V), Bhogapuram Mandal



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Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Occupation:-

People working in coal mines will have more uculos changes do get suspiratory problems. + 19ma) (--) It will be used to determine with occurrence of a Particular disease. -> Liver function tests - Bilirubin, butaline eclication history:-SGOT, SGPT. -> It is used to predict any chance drug interaction min between bidnigenused offer present illness and drugs used to past medical jullness paibre sont 2013 (-) It will able to know the person ability of response to given drugs. por -x E Past Surgical history:-+> Computerised tomography (CT) Scan -) It is used to know occurrence of any infections that rave 19 caused to due to lack of antibiotic regimen used for prophylaxis of injections. > people with surgies are having complications & risk for many diseases. Past medical history, past surgical history, family family history: history, present îllness the patient is diagnased with south northe granicus managiness and filled with will be mole occurrence of diseases from grandparents * Patient data analysis is impositionationered in plagnosing -> Many syndromes and deliseares quiet genetic. So it is used to know whether it is autoSomal sone loirecersivellos autosoma signant.



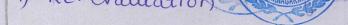
 Creations: Diagnostic tests performed for patient data analysis -> Complete blood Countripore Care of blood dirordeors 2 Begunnele ctholy tesime Nat, Kat, Mg allice II (particular disease -) Liver function tests - Bilirubin, bilkaline Phosphate, SGOT, SGPT. It is used to predict any chance drug interaction -) Renal function tests - surea unepracid , coverationine used 46 past medigos Jullingrampailores outsels (+ It will able to Know the people and all will able the to given drugs. > X- Yay Past surgical history: -) Computerised tomography (CT) Scan A It is used to Know OCCURENCE of any intertions Magnetic Resonance Ionisation (IRM) Scan to the Lack of antibiotic regimen used for prophylaxie of infections > Thyroid function tests to Tai, pTay & TSH, TRHADONG (Just for many diseases. By Seeing all the laboratory reports, past medical history, Past Surgical history, family history, present illness the patient is diagnosed with vestelise die pardue then treatment is given. will be more occusionce of diseases from grandparents * Patient data analysis is importanti Step in diagnosing of and treating andisease for disorders from t Antiputed to Know the them it is outosomal The second secon

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erukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

1915170014 Booksalleys and Revise Drug utilisation Evaluation: (DUE) It is the process of monitoring, pitholio 0 clistibution and usage of drug evaluation is done Renew is done for utilisation of used drug. - Branded drugs > New drugs Planning Drug design feedback wibin Due inter Data collection per a > Reteospective Past Studies Reevaluation Evaluation to noitestilitury Intervention of ont. C. drug Feedback Steps involved in drug utilisation evaluationsdrug seriero is Identify the drug not use abnord lies the 1) 2) Drug design sterie of drug. Data Collection form: diterature 3) -> The data is collected 4) Data Collection form · patrient details. 5) Data Collection · Past medical history. 6) Evaluation · Past medication history: 7) feedback noitrav rosto Califical Sciences proteid' Avanthi Institute of Pharmaceutical Sciences anagaram Dt., - 531162 Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Re-evaluation 9)



0

10) Reaccess and Revise

Drug utilisation Evaluational per (Identify the drugs to word att is th distribution and usage of drug evaluation is done Review is done for utilisation on Si anity of A -> Branded drugs -> New drugs

Planning Drug design

-> prospective ta future Studies Feedback

-> RetPospective - past Studies Reevaluation hiterature mars

-> The drug that is selected for ultilisation of drug review is Studied by journals of from Standard books.

-> It will provide you some information for review of drug. . apiseb pur (c

Data Collection form: etusterature (E

-> The data is collected as belows 10 stol (1-

· patient details 5) Data Collection

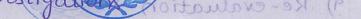
· Past medical history.

· Past medication history. · family history

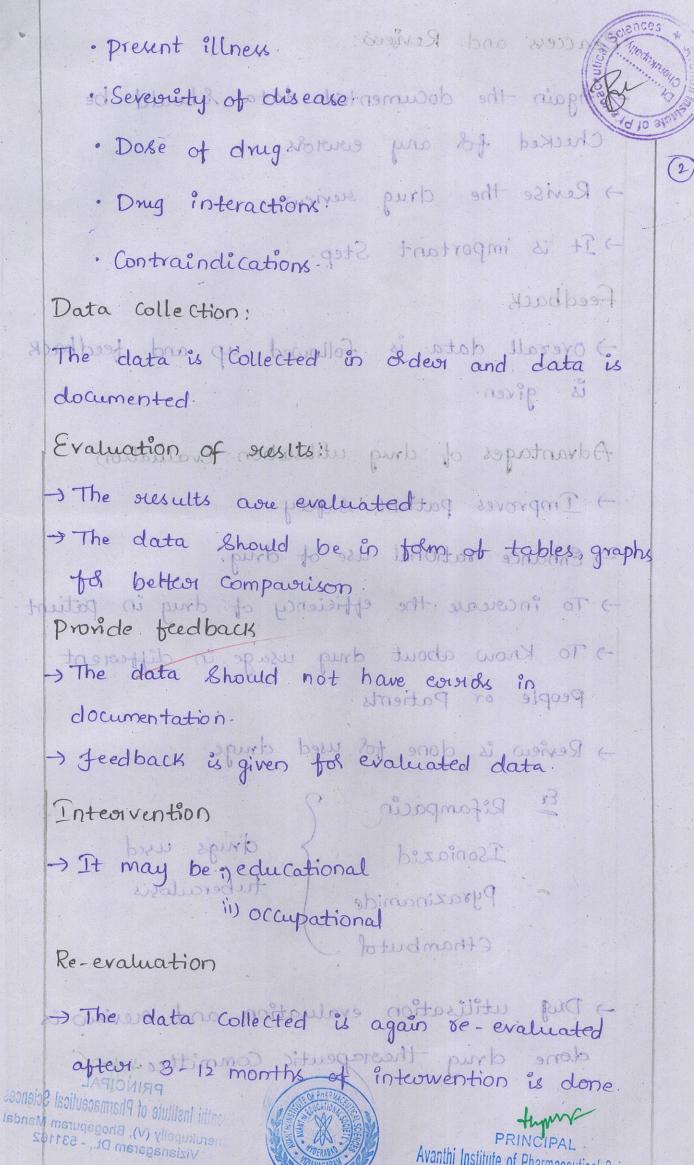
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6) Evaluation Redback

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Reaccess and Revisers: won'll' travers. -> Again the documented data should be Checked for any evidors purb to show -> Revise the drug surveyers port . -) It is important Step. notosibnistina). Feedback Data Collection: -) overall data is followed up and feedback is given. documented. Advantages of drug utilisation Evaluation -) Improves patient safety was atture all t of the -> Enhance vational use of drug. To better compariso > To incorease the efficiency of drug in patient. freedback -> To know about drug usage in different People or Patients documentation. -) Review is done to used drugs Hadbart (22 Rifampacin Interivention dnigs used Isoniazid --) It may be tuberculosis Pyrazinamide 1) occupiational Ethambutol Ke-evaluation > Dug utilisation evaluation and review is -> Dug drug theorapeutic committee fut done controntion PRINCUPAL is done wanthi Institute of Pharmaceutical Sciences North Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

MODRIZTPI

19TSITODLY of quality assurance Allednynjay: Quality assubrance: Laine a trampolgne alt evorgai braimach It is the process that tells about the 3 quality of drug product that are used by -> To encourage the clinical Clinical phasimacy seourices avloyai in this -to These are the services that are done by ell'about the Phasimacist the tude list tip & patient Counselling . Route et ad 10 · Route of administration (omponents -> Establishment of guality assurance . morparg Essetapment of clease objectives - Management of Clease & Cursent Standard · Time of administration Supporting plan to achieve objectives · frequency of drug defictive employment administration. NETHODS Significance of quality assurance: -) To improve confidence about the actions insmighthat lare done efficiently regarding the quality of clinical phasimacy scources To enhance the profession of Clinical pharmacist JASiegarding theist Segurices. tum; It institute of Marmaceutical Science PRINCIPAL herukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Avanthi Institute of Pharmaceutical Sciences



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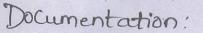
MOOTIZTPI Goals of quality assurance Dalo) Quality assuntance -) To improve the employment in Clinical It is the process that tells about the process of the process of the process that the process that the process the tells about the process of the proces of the process of the process of quality of drug product that are used by -> The enhances the areas of management. -) To encourage the clinical phasimacist to involve These are the bestrices that are done by in this tell about the procedure & maintenance of quality assurance to clinical pharmacist · Route of administration Components: -> Establishment of quality assurance program. · Dose of Contraindica: -> Development of clean objectives · Drug intestaction -> Management of clean & current Standards. Supporting plan to achieve objectives. 5 To encourage defictive employment METHODS Significance / of 'quality assurance: v -) Accurate medical history svorgmi ot (-) Accessment of medication therapy management quality of clinical phanning baining (tive Provision of medicinal information enhance The Partients PRINCIPAL - want wanthi Institute of Pharmaceutical Sciences Avanthi Institute of Pharmaceutical Sciences

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-) It is the duty of clinical phasimacist to do the documentation.

-> Documentation Should be maintained.

-> Quality assumance of clinical phasemacy Securices in a hospital should be recorded. -> Every clinical phasemacist should do their Profession according to the surles and regulations Conclusion:

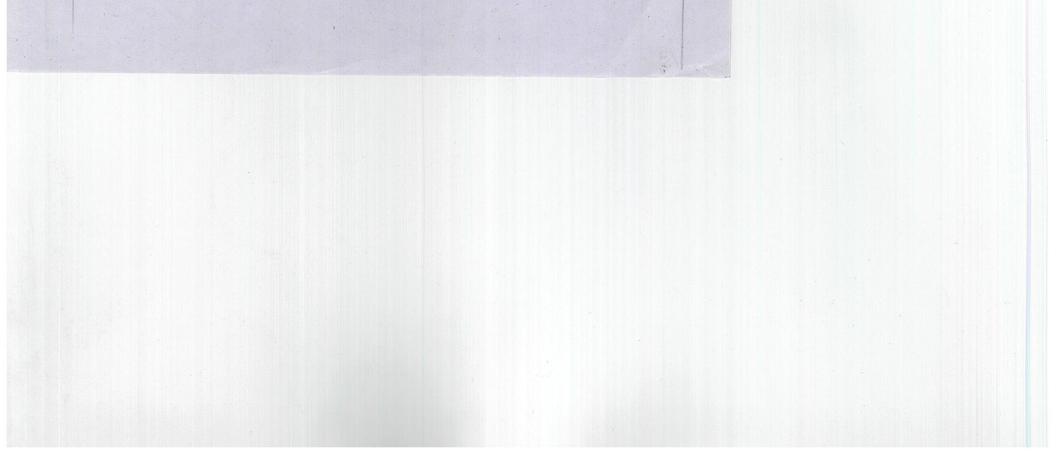
-> Quality assurance is integral part of Clinical pharmacy Services

-) Quality assurance is done to improve the health cause.

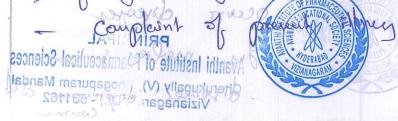


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present killner AVANT **TTUTE OF PHARMACEUTICAL SCIENCES** Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P. - 531162. (Approved by AICTE, PCi & Govt.of A.P. Affiliated to JNTUK, Kakinada) SUBJECTIVE TEST ESTD: 2005 JNTUK Reg. No. : Date :20 4/23 9 5 T 0 0 8 : midra **Student Name** Year : WYV Sem K. Roma Krithma : B. Pharm / Pharm D. / Pharm D. (P.B) / M. Pharm **Branch Specialization** Time : chnical pharmany **Subject** Name **Total Marks** Marks Secured Invigilators Signature ; brassie I patients date analy sis of Ht is definedad and patient care history, its it of its and evaluation dorry therapy, and understanding common medical abbrevetory and At structure terminologier d'used in anedical practice 16 He patient of the planned conversion and the patient communication his there kyniptonys, the patient as well as the history of teelings I fear what well as the christrony potient Cove History structure of patient core hictory 5 double be complete mentional part por endiced history Jobble - Allast Sergicul Wistory fourty History, Social history typut. PRINCIPAL



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present billness part onedical history - part surgery history TOOT REPT P K. Roma, K. Huma eary check of medical for early (1) patient registration commber () record. - The way widentality of a that way protout case history . got when the bod internet their relative and evolveryon good greaders. and lester abbrevetary and Common anibursts vabrus settion address in andres practices 2) Age torother and the treetment Lo rectionad pourseld 28 2 procedure the 2,5eheiraen Formmund control has been squiptoing I photon all to plan and the headent all monorals all a plan and the poly of the children the monoral the angle - the states the children ent Know the prosterit core history Strange 3 - Jo Know adorigioun Date 31 time of make hepotiest. - To Check was welle freatment to obside loss of the format the selabelle 4) Sex. occurs directer

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Avanthi Institute of Pharmaceutical Sciences dinerukupally (V), phogapuram Mandal Vizianagara Copercosition

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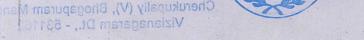
-TO get the Informetor Family History rt detalette of gametre (Immu grow deficionent of gramma dirordere are defearing disorders from)PO Lannas ell. family 00 helpful marsi Jel Studies Social postory ward - Diet-inerease Carbohydrehy Revered Distory Oning in body canyong dentel Know the gentle obsordes eg chemel profilezes wabratto energing De Allongey - housing any allongic seelfors in the body for Environ burg it wants voterty mental sy occupation discon courses Kysheres ? mellitrung of per working aneres Adding hierory object - Hepolte voule common in doctor s. Motob dap op 8001213 and mobilities of a consultation when Quality Assurance and chricel Service, phenomency Assurance p 20: Quality All'is defined a as procedures, use to set, promote management begingend moniter the standards post sengical history into get detally · Component Sign thay Drugt monitering Case revice

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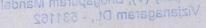
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no childre no chargers 1004 15. quet: 1: leyp 2: 4 20% neis Interrichan Is referge develops new marketing producto Str very m marketory Here pertrul guisslydien develop ? 70 in therefter. to oners out come, a proper høfmetvom in and Alu programme of queloty web asper very make the clourcul phoremany trances . these Hinan At conclusion Quality assurance is use to ncreose proper health E lise cuse. du the patrice partie clourcel unit It is the fridegral H & gives a Knowlege dout the phonnaey " . Health case dysten . Asla 50 Avanthi Institute of Pharmaceutical Sciences kupally (V), Bhogapuram Mano lagaram Dt., - 53116 Cherukupally (V), Bhogapuram Mandal

Drug utilization evaluation JAR. doind use prenning It is qualifidave of menubrane fut pothway to deterr appropriale Intervention. Steps Inwhend in drug ut lozeli. evoluert. Singly might ann petroy was The doug eventuelisch 1) Jobustfying dowy used to develop a new drugs Improve the 26 dougs for disurgery, these polient health Ad. Conclusion 21 Dergn of Stude evoluetour betyp ful to dauge drug T creek a new finishoy Study day thur copies 3) Define children a bedlew crown This markey the dangs to patients in prhormany 9 field 14 4) Design the date evoluction monda - from collection form we make by proper delam data esca JADONT fahron 50 PRINCIPAL orm Avanthi Institute of Pharmaceutical Science Cherukupally (V), Bhogapuram Manda Vizianagaram Dt., - 531162



30. 5) Data collection : - 128 bail arrive The collection of data from the ners a experimental Abudders useful to report the detre. Avanthi Institute of Pharmacoutical Sciences gevaluat on we can evoluerte the documentory genven for the date collection to pelmit the support monour de feed back to check a proper aveluelvour, then we never to send feerd back from evalueton thusing , we giver a proper feed beek for the collection thism Somter ventoons : . Any Intervention occurs in the Evoluction results to check the provolet feed backy to sepont the Intervalionicity clearly follow the Selsnit the document

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Consolidated Internal Marks Statement

Branch	:	IV Year Pharm D (Academic Year 2022-2023)	
Subject	:	Clinical Pharmacy	
Subject Code	:	T4103	
Faculty	:	Dr. Randeep Raj	
		Post of two	La

S No	Roll No	Mid-1	Mid-2	Mid-3	Best of two mids average	Lab internal- 1	Lab internal- 2	Average of lab internals
1	19T51T0001	28	27	29	29	24	25	25
2	19T51T0002	21	24	26	25	23	24	24
3	19T51T0004	26	0	27	27	23	23	23
4	19T51T0005	28	27	28	28	24	24	24
5	19T51T0006	26	25	28	27	25	25	25
6	19T51T0007	27	27	28	28	26	26	26
7	19T51T0008	0	22	27	25	23	23	23
8	19T51T0009	28	25	27	28	26	26	26
9	19T51T0010	27	27	29	28	25	24	25
10	19T51T0011	28	26	28	28	23	24	24
11	19T51T0012	27	27	29	28	24	26	26
12	19T51T0013	29	28	27	29	0	25	13
13	19T51T0014	28	27	29	29	26	26	26
14	19T51T0015	26	0	28	27	26	24	25
15	19T51T0016	25	26	29	28	26	26	26
16	19T51T0017	26	0	28	27	0	23	12
17	19T51T0018	23	27	27	27	24	24	24
18	19T51T0019	27	29	25	28	24	24	24
19	19T51T0020	25	28	28	28	25	24	25
20	19T51T0021	26	27	28	28	26	25	26
21	19T51T0022	28	28	29	29	23	23	23
22	19T51T0023	27	27	29	28	26	26	26
23	19T51T0024	28	28	29	29	26	26	26
24	19T51T0027	27	29	28	29	24	24	24
25	18T51T0001	26	24	20	25	23	23	23
26	17T51T0012	28	24	29	29	28	29	29
27	22T51T0101	0	25	27	26	24	24	24

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Display of Internal Marks during Academic Year 2022-2023 Branch: IV Pharm D

S No	Roll No	*Pharm aco Therape utics - III (T4101)	*Hospital Pharmacy (T4102)	*Clinical Pharmacy (T4103)	*Biostatistics Research Methodology (T4104)	*Biopharma ceutics Pharmacoki netics (T4105)	*Clinical Toxicology (T4106)	*Pharmaco therapeutic s-III Lab (T4107)	*Hospital Pharmacy Lab (T4108)	*Clinical Pharmacy Lab (T4109)	*Biopharmaceutics Pharmacokinetics Lab (T4110)
1	19T51T0001	29	28	26	29	28	29	28	28	26	28
2	19T51T0002	25	26	25	25	26	28	26	27	25	27
3	19T51T0004	27	26	24	25	27	29	29	27	24	27
4	19T51T0005	28	27	25	28	27	29	29	28	25	27
5	19T51T0006	27	28	25	28	27	29	29	27	26	27
6	19T51T0007	28	28	26	27	27	29	29	28	27	28
7	19T51T0008	25	26	24	27	21	29	28	28	24	28
8	19T51T0009	28	28	26	28	27	28	29	28	26	28
9	19T51T0010	28	28	26	29	27	29	29	28	26	27
10	19T51T0011	28	27	25	29	26	29	29	26	26	27
11	19T51T0012	28	26	25	29	29	29	29	27	26	26
12	19T51T0013	29	26	26	27	27	29	29	27	26	27
13	19T51T0014	29	27	26	28	27	29	29	28	26	28
14	19T51T0015	27	28	25	28	27	29	28	29	27	28
15	19T51T0016	28	29	26	25	27	29	29	29	27	27
16	19T51T0017	27	26	24	26	27	29	29	27	26	27
17	19T51T0018	27	27	24	25	22	28	27	27	24	27
18	19T51T0019	28	26	24	20	27	28	26	26	26	27
19	19T51T0020	28	26	25	28	28	28	28	27	25	27
20	19T51T0021	28	26	26	27	27	28	29	27	26	27
21	19T51T0022	29	27	25	28	23	28	29	27	25	27
22	19T51T0023	28	27	25	26	27	OF PHARMAGE	29	27	26PRIN	CIPAL 26
23	19T51T0024	29	27	26	28	26		29	27 Avan	thi Institute of P	narmaceutical Sciences

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24	19T51T0027	29	28	25	28	23	28	29	28	24	28
25	18T51T0001	25	26	25	29	21	28	26	27	25	26
26	17T51T0012	29	29	29	29	29	28	28	29	29	29

* best of average marks of two internal examinations with lab internals

B. Peja Sree UM P. Sardeyp

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Display of Internal Marks during Academic Year 2022-2023 Branch: IV Pharm D (PB)

S No	Roll No	*Phar maco Therap eutics - III (T4101)	*Hospital Pharmacy (T4102)	*Clinical Pharmacy (T4103)	*Biostatis tics Research Methodol ogy (T4104)	*Bioph armace utics Pharma cokineti cs (T4105)	*Clinical Toxicology (T4106)	*Pharm acother apeutics -III Lab (T4107)	*Hospital Pharmacy Lab (T4108)	*Clinical Pharmacy Lab (T4109)	*Biopharmac eutics Pharmacokin etics Lab (T4110)	*Pharmac otherapeu tics I & II (T4111)	*Pharmaco therapeutic I & II Lab (T4112)
1.	22T51T01 01	26	26	26	28	27	28	28	26	25	27	29	28

* best of average marks of two internal examinations with lab internals

and up B. Séa **Staff Sign**

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ASSIGNMENT

ASSIGNMENT

Subject : - BIDSTATISTICS AND RESEARCH METHODOLDGY Topic : - CLINICAL STUDY DESIGNS



Submitted By: -

R. HARSHA VARDHINI 4th Phanm - D

1975170016

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CLINICAL STUDY DESIGN

Introduction:

A study design in a scientific method that a presentcher follows to assess the association hetween an exposure and an outcome. It depends on the subjects that over selected, observed, followed and studied. In illinical generational steve two broad categories of study designs, mainly Observational & experimental.

Clinical Study designs:

Clinical study design is the formulation of trials and experiments, as well as observational studies in medical, clinical and other types of generation involving human beings.

-> The gold of clinical study is to assess the safety, efficacy, and or the mechanism of action of an investigational medicinal product or procedure, or new drug or device that is in development, but potentially not yet approved suy a health authority. -> It can also be to investigate a drug device or procedure that has

already ween approved suit is still in need of further investigation typically with spespect to long term effects of cost-effectiveness

Types of dinical study Designs:

Clinical studies Descriptive Explanta 1. Case reports 2. Case series Experiment Observation Randomized Non-Randomized Individual Aggregate 1. Placebo control them Group Assembled on Basis of PRINCIPAL 2. No - Ireatment contrationthi Institute of Pharmaceutical Sciences: Cherukupally (V), Bhogapuran Mandal 10 Both 3. Historical Control outcome Vizianagaram Dt., - 53 000 011 Cross Case control 4. Active control. Sectional

monstine studies:

The researcher simply records the observations and co-relates the events observed with possible geason. These maybe presented as care reports where any contain individual patients with distinguished relinical characteristics are included in study. The patient is descrued and evaluated for possible orthome. The gesulls are exposed as success or failure of itreatment.

Case Reports:

->These are published after clinician notice a problem with exposure drug. -> A case report can be strengthened duy ADR opeleted to drug concentration

These age meeful forraising hypothesis of doing effects in a case report one cannot know if patient reported adverse outcome duet to doing or disease.

Advantages:

1. They sende as mechanism for clinicians, innestigators & other regarding

2. It prompte cliniciane to le aware of potential probleme & to report other such occurances.

Disaduantages: Case exercise are weakeet form of evidence for callation

Case Series: case series are group or cluster of case reports that may se generated by single clinician, group of clinicians, hospitals, pharmacentical company. When series are geported, wase can be compared to note the similarities between them so that syndrome is present or not is identified.

Advantages - They are useful adverse reaction.

the application the incidence of an

Disaduantages - In the absence of a control group, one cannot be Certain which features in derivation of patients age unique to PRINCIPAL of patients age unique to Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Population study: Population study is a study group of inacualian when from population who slage a common characteristics such as age, lex of health condition.

EXPLANATORY STUDIES ,

Experiment Kandomized

Experimental studies are of two types:

1. Randomized controlled brail

2. Non-Randomized [Non-Experimental trials]

Methods:

Simple Randomisation:

-> With a treatment groups - Control vs treatment where, head-control. -trail - treatment.

-> The side of the coin determined the assignment.

Block randomisation:

-> Ensuge the number of participates equally distributed in each gercup

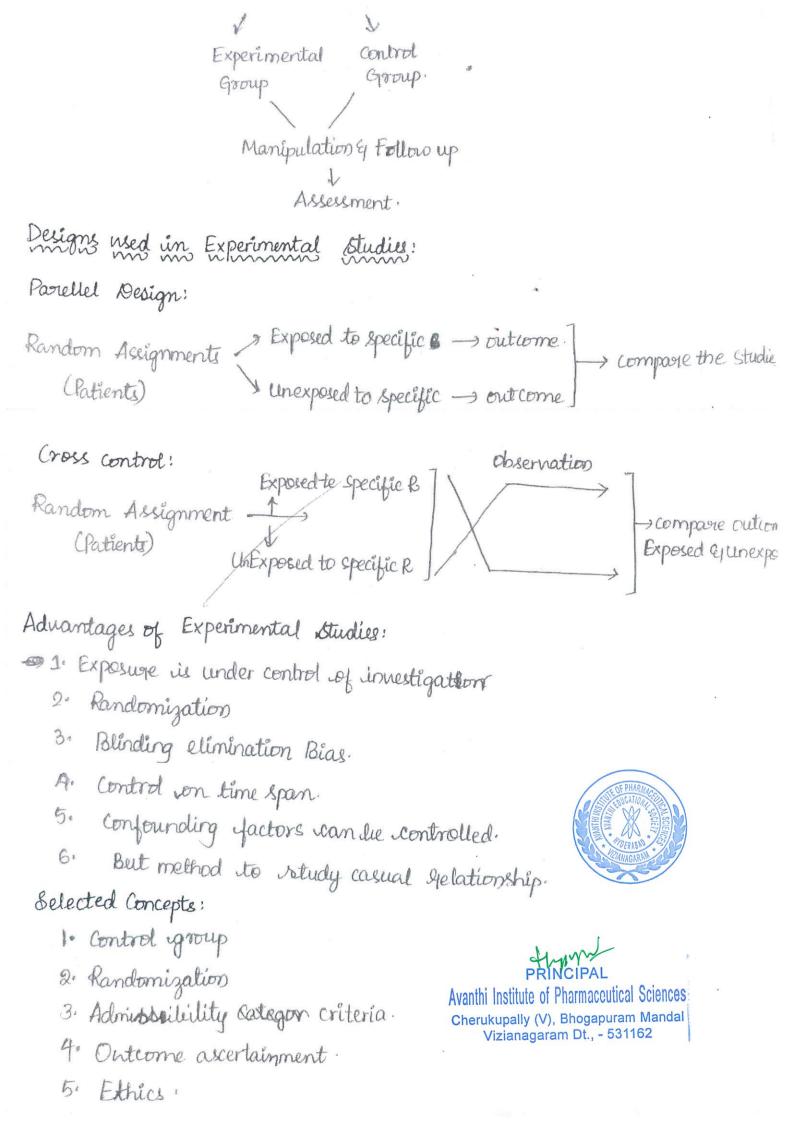
Stratified Randomisation:

100 participants Somen 25men get drug 5000men 25 normen get vorug 25 women get placebo.

Randomize separately within cally structu

Minimized Randomisation: Select suitable population -> select suitable sample -> make necessary Excluci PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Randomizo



Non-Randomized trials: clinical trail - we apply therapeutic interventions to sick individuals (chemotherapy trails)

Field trails - we apply preventive interventions to healthy individual (Vaccine trails)

community trails - we apply interventions to aggregate units.

Uses:

Hichen Randomised controlled trails is not possible on ethical adminis--tratine groundy.

& when diseases forequency is low and natural history is long. 3. when cost and logistic is limited

Types:

- 1. Uncontrolled trails
- 2. National Experiments
- 3. Before & After companison studies.

OBSERVATIONAL :

In observational study the subject to be observed chooses whether to include in style on the Errors occur leased upon the differences in profile of sufficient age, formily history up disease, cause q severity - may not defined.

Obsertiational & Aggregate observational Studies Avanthi Institute of Pharmaceutical Sciences Individual Observational studies Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Aggregate Observational Studies: Pandemic and epidemic studies on communicable discases & their treatments are generally coorded out at aggregate Observational Studies. Ex: Occurance & effective treatment of Malania & relapse in particular geographical area. Individual observational studies: In this patients (subjects are individually observed and they as assemble in guoups on basic of outcome or exposure or Both.

These age classified as - Case control Cohort Cross-sectional

i Cohort: A study design that identifies by selects two groups of patients out of a population of interest.

- These two groups of patients are placed as one other who core exposed to an internention of another cohort who are not exposed to an intervention.

-) They are followed then over a time to see development out comes.

- -> Cohert studies purvide highest level of evidence, that can be sitained from ouservational studies regarding exposure and outcome relationship
- -> In this sample is leased on exposurge of interest and evaluation is

COHORT STUDY DIAGRAM

with outcome 2 2 without outcome Explicit Population of with out one Interest unexposed was without outcome. Onset of PRINCIPAL Time Study Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Stages of Cohort Study:

A cohort study starts with selection of quoup us positicipants from Same population - is sknown as Cohort.

-> The participants must be identical, have common characteristics except for their exposurge stations.

-> Participants divided into 1st group-Exposure group, 2rd group free of Exposure.

Types of cohort studies:

· Prospective - The two groups of cohort are followed over a time to track development of new disease.

Ex: In prospective scohort study gesearchers compaged your different geroups of women to investigate which group were more likely to develop PTSD symptoms after a litting event.

· Retrospective - Information or data is collected from past clinical records and the outcome of interest is investigated. Ex: In this gesearchers used previously collected data to investigate whether there was association between histh experience & subsequent. maternal case - giving attitudes and techanlour over a 12 month period

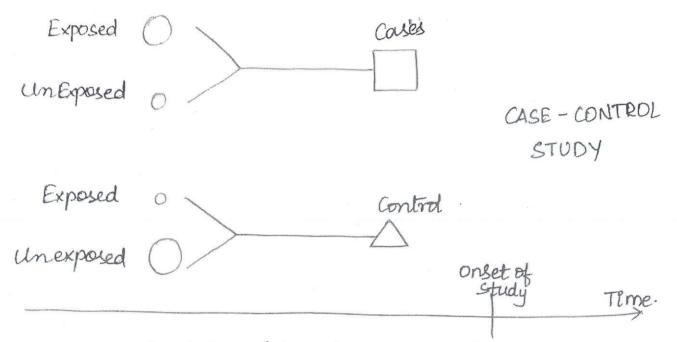
Advantages:

1. Can more clearly show time of exposure of & olevelopment of outcome everause the subjects are without the disease at have the 2. Allow evaluation of more than one out come. the PRINCIPAL Avanthi Institute of Pharmaceutical Sciences: 3. Allow for calculation of incidence. Cherukupally (V), Bhogapuram Mandal

Disaduantages:

- 1. Can be expensive and time consuming because of large number of people.
- 2. May not be good for rare diseases:

iii) Case - Control Study: A study design - the investigator identifies & selecte patients who have outcome of interest and also patients with out come of interest and also to identify exposures. Case - control Studies are getrospective.



- · Subjects with outcome are of interest age cases
- · Subjects without out come of interest are controls.
- -> After finding cases & controls, they had exposuge of interest or not is determined.
- -> Case control studies donot answer whether an exposure is associated
- -> These studies only determine whether subject with outcome of interest was more or less likely to have exposure witherest compaged to controls, which makes level of evidence from this study design lower than cohort studies.

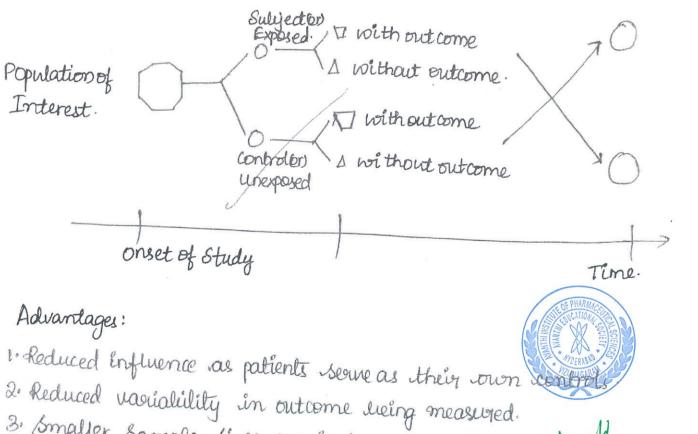
Advantages:

1. Less expensive

- PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162
- 2. Easier to do and take less time compaged to most prospective Studies.
- 3. com lie useful its obtaining data which is difficult to obtain due to nature of Population being studied.

Disaduantages:

- 1. Potential recall leas.
- 2. Subject to selection lias.
- 3. Generally donot allow investigators to calculate an incidence or alisatite.
- (iii) Gross-Over Study: A study design where all patients from population of interest are two groups. One group who gets exposed to intervention, second group who does not get to exposed.
 - -> After a period of itime, an evaluation of outlome is done patient from droth groups undergo a period of washout so that effect from initial group intervention has been genored.
 - -> Once this is done, subject will cross-over to other group perocess stants.



3. Smaller Sample Sizes required.

4. Having oppusturity to steccine lutth treathanthinstitute of Pharmaceutical Sciences: Disaduantages: Vizianagaram Dt., - 531162

1. Cannot sie done when sulijects can only gecieve one treatment 2. May take longer than gandomized clinical trial since patients hav

INTERNAL LAB EXAMINATION ASSESSMENT



Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

		ab internal – I Examinations	Branch: Pharm D	
	Subject: Clinic	al pharmacy		
	Time: 180 min	Max.Marks: 40 M	Date of exam: 09/11/2	022
	Synopsis			(10 M)
1.	. What are Medication	Errors and list out the types of	medication errors? 5 M	
2	. List out various Live	r function tests. 5 M		
II.	Major Experim	ent		(15 M
	Major Experim	Patient Medication Cour	nselling (10M)	
	Perform patient m	edication counselling accordi	ng to given prescription to	
		Angina Pectoris.		
		Observations:		
		Age: 65 years		
		Gender: Female		
	On physic	al examination patient is consc	ious and coherent.	
		Body Weight: 55 kg		
		BP: 150/90 mmHg		
		Prescribed Medication	<u>S:</u>	
	1. Cap. Rs 20	H/S- (Aspirin 75mg, Clopidogr	el 75mg, Rosuvastatin 20mg)	
	2. Tab. Rt H/S	(7 Days)- (Rabeprazole 10mg	+ Dicyclomine 10mg)	
	3. Tab. Telma	B OD (15 Days)- (Telmisartan	40mg + Metoprolol 50mg)	
		at 6.5mg BD (20 Days)- (Nitro		
	tions:]

1. What is Angina Pectoris? (2 M)

ESTD : 2005

2. Pharmacist must provide all information regarding medication like how to use, when to use,

ADR, Contraindications and missed dose (3M).

III. Minor Experiment

To obtain Medication History interview:

1. How to start a medication history interview and significance of it?

2. What suggestions would be given when patient is taking a vaccine?

IV. Viva - voce

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162 Avanthi Institute of Pharmaceutical Sciences (5 M)

Signature of the faculty

(10 M)



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by A.I.C.T.E, P.C.I, New Delhi New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTU-GV, Vizianagaram) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

IV Pharm D Lab internal examinations PCI (R08)

Scheme of valuation

S. No	Evaluation Process	Marks
1	Internal laboratory exam	20 M
2	Day to day assessment in laboratory	10 M
3	Total	30 M

Signature of the faculty

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



AVANT TUTE OF PHARMACEUTICAL SCIENCES Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P. - 531162. (Approved by AICTE, PCi & Govt.of A.P. Affiliated to JNTUK, Kakinada) SUBJECTIVE TEST ESTD : 2005 JNTUK Reg. No. : 9 Date :9-11-22 T 1 5 0 24 0 Sem URMORAL SINTERNAL - 1 **Student Name** Year: IV PILLA, SAI SUSHMITHA : B. Pharm / Pharm D. / Pharm D. (P.B) / M. Pharm Branch **Specialization** Time : pharm D : CLINICAL PHARMACY Subject Name Total Marks **Marks Secured Invigilators Signature :** Reco. =27 Student Signature: P. Said 17+10 SYNOPSIS: (5m) J. 30 Types of Medication Error 9 on clil 1-Yaccine . dist out Various diver Function tests ? 20 VIVA VOICO MAJOR EXPERIMENT: 11. Patient Medication Counselling (10m) perform Patient Medication Counselling According to given : ANIANA prescription to Agina Pectoris in also Hoown ou (Bechgenn Observations : Age - 65yeus Gender - Female (Oboron On physical Examination - Pt is conscious 1 612 MO Body wat: 55kgs onerit starte : 19944 are They BP: 150/90 minitig apart sideting Prescribed Medications : [combination Apirin 75009, copidogril - 75009, 1st - Capsule . RS 20 H/s Raiovostatin - 20mg CARCULE RS 2000 Tab . RT HS (Idays) 2nd combination [Rabiperazof 10mg + dicycloaneide 10mg Linen to USC 6-(3rd - Tab TelmaB(0D) - 15 days Taimesartin (young) + metaporoloi (50mg) Angiplat yth- Tab. BD - 20 days fryn -(6.5mg) PRINCIPAL Nitroglycels - (6 5mg) Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mand Vizianagaram Dt., - 531162

1. What is Angina ? (2m) 2. pharmaulist must provide au informate regarding the medicate dike how to use & when to use, ADR's, contraindications, And Missed dose? m. in MINDR EXPERIMENT: (3m) PILLAN SAT SCHMITTIAN To obtain medication birtosy posterview. 1. How to start medication history Interview? And Gignificance of Medicath history interview (11/2m) 2. What suggestions to be given when a pt is a staund Types of Medication Error ? taking Vaccine (11/2 m) dut but Vasious diver Floretion 8 Viva Voice & Record (2m) N. MALAN SALENIALS Patient Medication courselling (10m) perform Patient Medication Course d'Eling According to get n. 12 preseription to Agina Pectoris -> If is also known as Ischaemic chest Pain. It is a Stable Angina and a type of chest pain + caused by reduced blood Flow to the heart. They are 4 types: 1). Stable Angina 18433 = 3 pour poor 2. 2). Unitable Angina Humm of Oll: 93 3). Microvascular Angina M bodicess? galater l'égabliges : paus Variant mitandinges. Raiorocticity - 20mg Capsule RS 20mg. DI Tab. KT HS (tdays) How to Use :- Taken Draky brie combination . when to use =-Time of Administration - Nighttime (HS) (Tatmusarin (yoma) + merciperates 2130A9) Stomach pain, Irritation, belching. 9) BD - sedayating dehydradon Jese - PIPACIPAL Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

wing any medication for duran. [Rabipsazol (10mg) + (dicycloamide()0mg]) 2), Tab. RT :-How To use :- ROA - Taken Orany for Hays. southings 24 ine dasupsino) given in Empty stomachy. paitas vara When to use :- Day time. to patients. ADRis :- Contipation, Drymouth, Abdominal utention, Sleepiness, tremoss, Dizziness distension » in Clinical Pacquany, breastfeeding, Allergy. CI 0 -It drug therapy 3). Toub, Telma :-Talmesaetin (40mg) + metapsiolos (50mg) How to use 8- ROA - Oral for 15 days (OD) When to use s- Abter meals. - por not the jimod ADR'S : Sinus infection, Baik pain, Respiratory trait infection. Obstantion of blockade in bile duct, CI : JAGIONIAG Kidney Failure. Tab. Angiplat: 4), /iziana Oral for 20 days (BD) How to use 2 Time of Admt" : After meals. When to use s Blurred Visions Headache. ADRIC 0 Anemia, Heart diseases, Glucoma. CT Mined Dose :iiis MINDR :-To start medication 1. bistory Interview star RINCIPAL Do you have any orberavanthia antitute of Pharmaceutical Sciences disteases Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

-> Are you using any medication for diease. 2). Tab. RT 1- [Rabipsagel (10mg) + (dicycleamide(10mg)) Significance of medication History Interview and all with preventing prescription Error & Consequent ruks to patients. When to use :- Day time. And preventing accurate medication histories metjue in detecting drug - related pathology in Clinical Signs & in result of drug therapy Tob Telma Emphasize care for the Heatth in Alexander -> Drink More diguids sof 1500 - ADS - 8 DW of wolf -> cat Non-veg- ?teme much. Donit -> -> User an ice pack or good, damp cloth . track infection wals CI : Obstaution of blockade in bill. duct. the PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 How to use : crat for 20 day Time of Admt & Atter meals. E sus of reduit Blurred Viscons Headache. ADRIG Anemia, Heast diseases, Glucoma

MIRLORS-

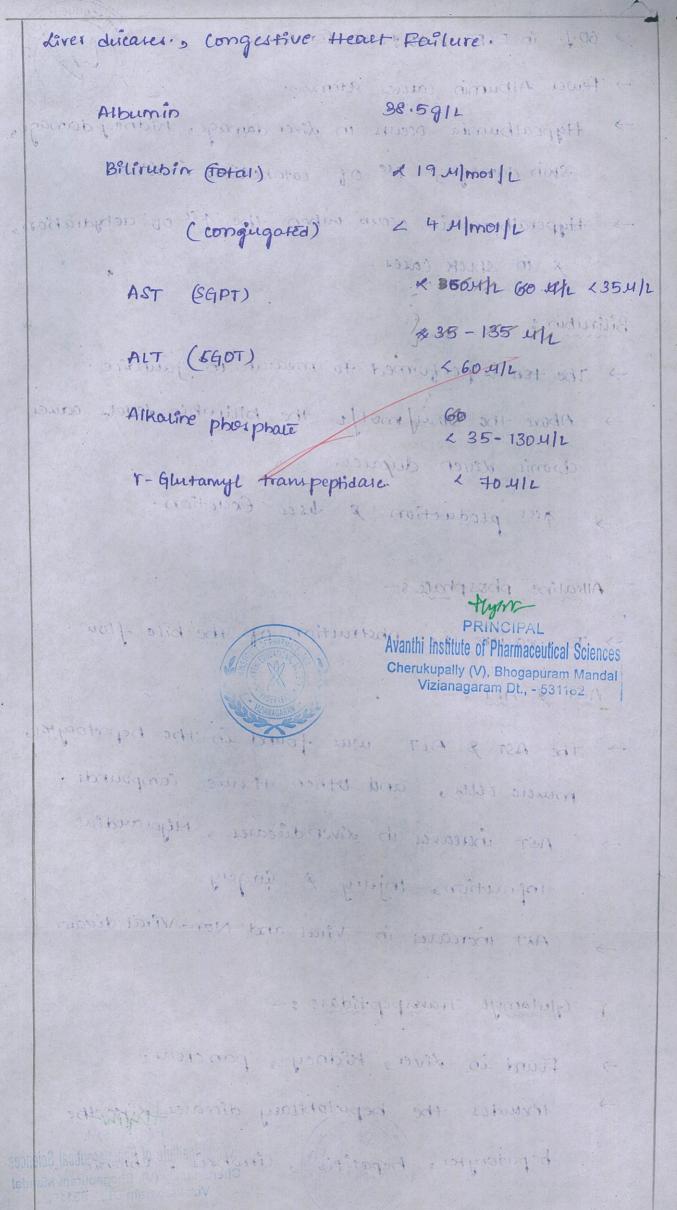
MULLED SOLE :-

1. To start medication bistory. Interview story Reinaral Rouge bave any diseases storedvanthilastille population sciences

P. Spa Suspmitte 01975170029 Synophis :-T. Types of Medication Errors :-1. at pattertisaint Prescription Errors and a indirector Omision Errors firstere Epplein in the duosiented Errors Improper drugs Mediad CADESC Wrong time 10 radpid out pain initiation Wrong dose & stasstag sol and Elitecci main. Wrong drug preparation Introng Administration brehaven ford guild privile Monitor, Errors Compliance Errors and proposing the Unauthorized Erron and an the energy are proported Prescription Errors :-Erron may In this type of Error the druge that are prescribed by occur due lo the pharmanist was wrong to patient. Circult History for the one me Omision Error :-In this type of Erron the Manted drugs are omitted or by mileading of the drugsiscopeas smideration of the Court disoriented Gror :- in this type of Error the * patient may take the imprescribed drugs and reads to the misusuage of drugs. Some Alburrie Impsoper drug; * Impeoper drugs are the one in which the proper medicated are avoided withe Improper druge are prescribed Aventitistitute of Manabeutical Sciences pally (V), Bhogapuram Mandal

Erron . moder after Types of Aledsontion Entry 3 Wrong Time :-Administrating the drug is the Wrong time which causes milleading of the doug. & causes Adverse Ebjeut in the body. et for sice vice Wrong dose :-* Indonation syndan Administrating the higher or down desce causes some Effecti to the patients & not all on marged bring buding our body. khong Administration Wrong drug preparations -* CADALE Mornites. preparing the wrong drug means that the drugs are prepared in Unwanted formitions Moniton × (seccription Errers :the monitoring was to be done for some drugs. that causes Abbertant port Merri due lo tie Unauthorized Errors - of provos UT Chan J. H. SKIMISCICI the Erron that are not under the 6,10117 CARMENTER Government Consideration. childs are awaytied by direr function Test 2' Consideration of the Conin of Enzymes parts Other Compounds in Serum to measure and diven Function tests. the true menage of drug al those bra Serum -Albumin :purps regarded the protein Syntherized, in diver them side supto 10 to 159 long bibson isgory PRINCIPAL Avanthi Institute of Pharmaceuticel Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

> 60.1. in ECF \$ 40.1. in Berum. > Fewer Albumin Caules Edema. Hypoalbumia occurs in diver damage, kidney damage, -> Skin damages the of cotabolism in driven. -> Hyperalbuminia occurs when the 1st ob debydra hon, & in shock cases. (791) T2A Bilirubin :--> The test is performed to measure is jaundice. Above the 50 m/mol/2 the bilirubin devels cames \rightarrow 10 981 chronic diven duéaler, r gurrange training pidare production & Uses Excretion. Ares -> Alkaline phosphate 3-> To measure the obstruction of the bile flow. AST & ALT :-> The AST & ALT was found in the hepatocytes, mutile celles and other tissue compounds. AST increases in diver diseases, nijocardial -> Infraction, Injury & Surgery. Art increases in Viral and Non-Viral dueases. -> r- Glutamyl Transpeptidare :-Found in diver, Kidney, pancreas. -> Includes the bepatobilary diseases fifthe the -> bepatoryter, bepato tas, Cirrophianstitute of Phamageutical Sciences Cherukupally (V), Bhogapuram Mandal IPAL Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P. - 531162. (Approved by AICTE, PCi & Govt.of A.P. Affiliated to JNTUK, Kakinada) SUBJECTIVE TEST 2) pharmacist must papuide ESTD : 2005 19 JNTUK Reg. No. : Date :9-11-22 22 C 0 0 Student Name : V. Sandhya rani Year: IV the Sem : Internal-01 Branch (: B. Pharm / Pharm D. / Pharm D. (P.B) / M. Pharm 957ML TATime 99920 **Specialization** (ma) -: CLINICAL PHARMACY **Subject** Name **Total Marks** Invigilators Signature **Marks Secured** Interview and tudentoignatuse 15+10 T SYNOPSIS: - (5m) JE Danchye 2.7 SHOW (ven Vaccination Types Listout types medication errors 2 Listout various hiver function tests VIVA VOICE II MAJOR: MAJOR EXPERIMENT PAITENT MEDICATION COUNSELLING (10M) priprit perform paitent medication counseling according to given prescription to pectoris. 7 Characterized sprea (or) (tu by deamfort Observations: due to ebstruction (or) preduces perce to the necet Gender of Female undersort (10) teus loads in on physical examination - paitent is considurate and cohorent instable ing Body . wt : 55139 Variant Blood prenwre; - 150/90 mmHg presouibe medications; - 1) Cap. RS 20 (given - Night) RI) Cap. Rs By - Oral (ROA) Aspirin-15mg, Clopidegrel-15 B) Nitroglycein - 6.5mg mg, Rosovastatin - 20mg] Lime of coloning Dution and the time dueur 2) Tab. RT (HS TIdays) pairs asynces of mouth (Ramiprosole (iong) + dichocloamine) Symptoms, , constipation tomg allas Selma B (OD) - 15 days Kickney COLED King utan (yong Vizianagaram Dt. - 531162 Cherukupaliy (V), Bhogapuram Man

guestions; . what is Angina (2m) 2) pharmocist must provide all information regarding the medication by how to use and when touse, ADR, contraindications & missed dose (8m)MINOR EXPERIMENT - (3m) (LINICAL MARA 16 Obtain medication history Interview medication history Interview and Significance how to Start a what suggestions would be given when paitent is taking Vaccination . Nous of medication evers . noitanisson VIVAVOICE + RECORD COM) + WOULDN JUDICIÓ MAJOR EXPERIMENT MAJOR -PAITENT MEDICATION COUNSECUNG (10M) - : SITON MEDICATION -> it is also known as Ischemic Chest pain motion prescription to Characterized by cliccomfort (or) cysponea in the Chest Obscructions; Obstruction (or) reduced blood flow to the heart by que/to an block cust (or) thrombous formation. on physical Examu Types -> 1) Stable Angina a) unstable Anguna - two phoses 3) Variant Inguna pareseube medication (1) Cap. Rs 20 (given principal) (1) el-lorpolicion now to use :- By-oral (ROA) 8) Nitrodycein - 6:5m when to use : - time of adminstration - dwing night time ADR; - diastingen, Stomach pain, derynes of mouth sumptions of theadache + flu like Symptoms, constipation CI - Clehydration and cereared kidney functions Avanthi Institute of Pharmaceutical Sciences massed dose? Cherukupally (V), Bhogapuram Mandal olat - Chereimon

Vizianagaram Dt.,

2) Tab RT :--(2) - semphasize the case for the hauth how touse; - (ROA); - Oral for Idays (given an Empty when to use, - nime of administration - (day time) ~· ADR: - Allergy, abadminal pain, Dianhoca, Namea CI :- pregnacy and breast-feeding women. misset dos c; -3) Pab Perma B: - [Telmisaritan + Metaproloi (10mp)] Raute of adminstration, - Oral for 15 days - (00) Time of Adminstration: - Aftor meal ADR: - Respiratory tract infection, Sinus infection. Back pain CI :- Obstruction of blockage in the bile duct; liver failure, kidney failure phased deser, -4) Pab Angiplat :-Route of Adminstration; - oral for 20days (BD) Time of Adminstration; - Aftor meal. ADR :- bloved vision, headache, Light headedness CI: - Anemia, glucoma, heavit diseases naissed dasse; -

MINOR ;-

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tins

1) Do you any disease other than present these.
2) hore you using any medications for the disease
3) what ase medication using
3) what ase medication using
Significance; >> preventing presouption evolt & consequence subsk.
>> to paitents
>> preventing acusate medication history using
>> preventing acusate medication history using
>> preventing acusate medication history using

· 2) Jab RT :-2) -) Emphasize the case for the health for Idays (given an how touse -(ROA):- Oral -) douink more liquids when to use; - Time of administration - (day time) Do not take heavy meal foods like non - veg items use of \rightarrow cool ice packs (or) cool, damp. clothes. missel ares c? 10T NUNH oral for 15 days (00)-Adminstration"-Avanthi Institute of Pharmaceutical Sciences Hor meal Cherukupally (V), Bhogapuram Manda torig? Vizianagaram Dt., - 531162 fection, Sinus infection. ALTANAGARD Back Obstruction of blockage in the bill ducty liver failure, kidney missed diete? faile 4) Fab Angiplat Route of Adminstration: - oral for 20days (BD) Pime of Administration; - After meal. ADR :- bluevied vision, headache. Light hadelines (I :- Anemia, glucoma, hazert diseases ! missed dasses MINOR :-1) Do you any discase other than present there. a the you using any medications for the discare (6)

what are medication prusin Significance; 0

ci

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prescription entrol & consequence suck. Deleventing to partents Ya

"Inst medication history user w -) perconting accurate detailing deug seleater parisiliagy

· SYNOPSIS; - SHORE Billimution lecch due to 2 LIVER FUNCTION TEST (LFT); a bit to co -> LFT is covoured out by an detection of abnormal should immediate th Not, many Enzymes and concentrations abnormality mostly says Indicates the direct is in crictical condition Bilwinhin -> how the Liver functioning Scrum aubumin & prothrombin time -> protein synthesis . revil an Agaratate Frameunicase (a) Salot Division of bill a and the prospection of bill flow Transamine levels & Liver injury (or) fey cleats Normal Ranger in wrode would be be the total (-Albumin - 38:59 12 papara sprintlap 6 direct bilurubin - stig ula tot plean -> Printersed lever Seen in inepatebilasing discover Alanine transaminase - >60 limoile, and (Asparatate transaminase - >35 limoile also Asparatate transaminase - >35 limoile also 7 - Gulternyl transpeptidase - 70 lill Alaknine phosphate - 35-135 412-1 Albumin; - it is protein, 10-15glday Synthesized in Liver, mostly 60% found in ECF and 40% in serum. -> inveased levels of Albumin Called hyperalbunemia. Seen in shock partententententententen prover at subres -> decreared levels of Albumin Carled hypoarbunemia mostly Seen in Skinburns, increared Catabolism. 6) Unisian even Bilwrubin; this the point of theme 11= -> Bilwyubin is used to diagrose the Jaundicatical Sciences -> if 50 limold exceeds in Scrum Cherukupally (V), Phogapuram Mandal

-> Increased billurubin levels due to inoraved production (or) decreased excuerion ST MOTOMOT SOUL . Alkanine phosphates --> d.FT is carried but by an derecti -> if abnormal levels of App can cause the obstruction kines functioning is need of bile flow due to the bile duet obstruction -> mostly seen in paitents with choliethiasis Transaminase levels: - with boot a advisible > 2 types . D Alanine Transaminase (or) SG PT Asparitate Transeminare (or) SGOT - your stad to doits where a starty schular the ALT increased leads Seen in Viral & non-viral Incursements leader -> diversion injungtionstation -) AST increased levels seen in mi, Liver cimoners Albumus 8-Gultanyl transpeptidaxesmostly found in Tivor, panoreas, king ~> Increased levels Seen in hepatobilary discours ->> Alanvine transaminase - 260 Lunch) Chronic Usage of phenytain, phenobastistone, rigapmain also increases the lead of 3- Gutanye transpeptiolase. medication correring analsta D the businest it is protecing to the particular is application Wires mostly con toundamittimehoust provident (Point 2) no every in wrong dose in to would be be the 3) vouse in wrong adminstration and since at an 4) evrou in wrong doug preparation housedaile 6) omission evolat Pilipineros Alun 7) unauthonized ourol PRINCIPAL NO. Avanthi Institute of Pharmaceutical Sciences 8) detonitated could Cherukupally (V), Bhogapuram Mandal 9) Impropor cours Vizianagaram Dt., - 531162

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10) monitor euror 12) Compliance coror



O Evolors in wrong dose; -→ The stequisted dose of doing should not administered but, the high Gr) low dose colministered by the paitent due to insufficiency information about disease.

(2) Gow in wrong time,-

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coros in wrong doug commistration; by the wrong doug (ROA) may causes the many Sorious effects

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by A.I.C.T.E, P.C.I, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTU-GV, Vizianagaram) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist.) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

	IV Pharm D Lab internal – II Examinations PCI (R8), April 2023						
	Subject: Clinical ph	Branch: Pharm D					
	Time: 180 min	Max.Marks: 40 M	Date of exam: 27/04/2023				
I.	Synopsis		(10 M)				
	1. Discuss types of med	ication errors?	5 M				
	2. Discuss the process in	nvolved in critical evaluation of	biomedical literature. 5 M				
II.	Major Experiment		(15 M)				
	1. Write the detailed dru	ng query on any FDA approved	2022 anti-neoplastic drug				
III.	Minor Experiment		(10 M)				
1. Provide a detailed patient counselling on inhaler techniques in adults							
IV. V	IV. Viva – voce & record (5 M)						

Signature of the faculty



PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally (V), Near Tagarapuvalasa Bridge, Vizianagaram (Dist.) A.P 531162. (Approved by AICTE, PCi & Govt.of A.P. Affiliated to JNTUK, Kakinada) SUBJECTIVE TEST Image: Student Name Image: Student Name Image: K. Ukha dai Year: 4 th Yr Student Name Image: K. Ukha dai Image: Specialization Pharm /Pharm D. / Pharm D. (P.B) / M. Pharm Subject Name Image: Clinical Pharmacy Marks Secured Image: Signature	
I SYNOPSIS :- 5M interior invigilators signature :- 4	
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2. Process involved in critical evaluation of biomedical hiterature	
I MAJOR EXPERIMENT :- 10 M	
1. Write the detailed dung query on any FDA appeared- 2022 anti-neoplastic dung.	
II MINOR EXPERIMENT :- 3M	
1. Provide a detailed patient counselling on inhaler techniques in adults.	
VIVA-VOILCE & RECORD - 2M PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupalty (V), Bhogapuram Mandal Vizianagaram DL 531162 Vizianagaram DL 531162	

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IL MAJOR EXPERIMENT Cherukupally (V), Near Tagarapu ola . Onery on Newly appeared FDA antineoplastic deug 2022. Demographics :-Department - Oncology Reason - To update knowledge Requestor - Acct, Professor @ Given query was obtained & categorized, Given query was determined & Categorized. Search strategy include secondary accounces Response was evaluated, analysed & synthesized. Response formulation Teclistamab CqyV :e - TUSI The daug is known as the first Suspecific B-Cell maturation antigen-duceted CP3-T-Cell engages, for adult patients with relapsed or repactory multiple myeloma who have seceived at least y prior lines of therapy, including a proteoxome inhibitor, an immunomodulatory agent and an anti-CD38 monoclocal antibody Chemical structure Avanthi Institute of Pharmacoutical Sciences Cherukupally (V), Bhogar dram Mandal H Viziane Jaram Dt. 531162 H N 0 H Mechanism of action :-Targete CD's receptor, I is expressed on surface OF T- Celli & BCM AGEPHAN is escaressed on Man PRINCIP Ignant Cells .



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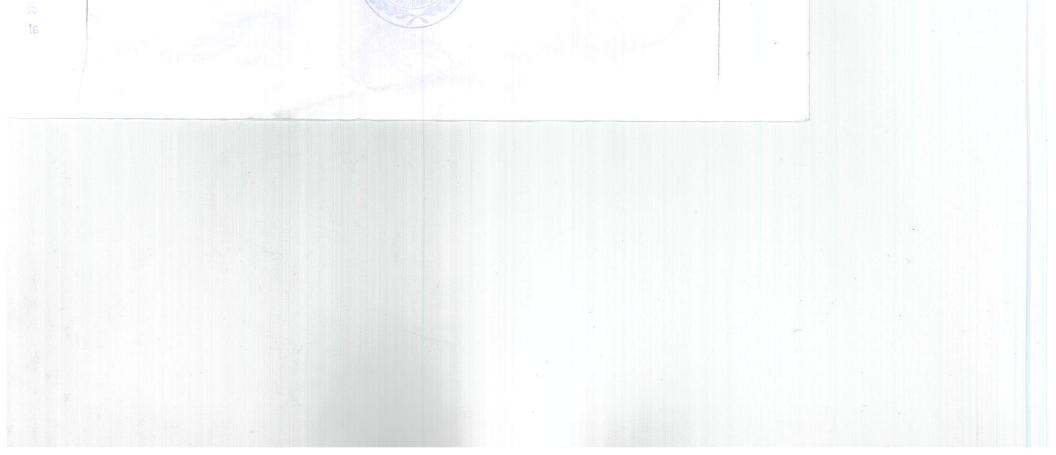
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EXPERIMENT Due to Dual binding sites, it is able to draw BLMAT CD2+T cells in close proximity to cells, resulting in T-cell activation & T-cell mediated tonicity. Ultimately teclistamab promotes lykie & death of BCMA+ Cells Pharmacokinetics :-·Absorption through subcutaneous soute · Bioavailability ranges from 69% to 72 %. · Volume of distribution - 5.63L, it increase with increasing body weigh • til = 3.8 daysu site while bonnis , clearance eschi by both time -dependent & time independent Dosc : PONT 0. de mg/kg Via S. e injec on Day -1 1.03 mg lkg on Day-4 & 1.5 mg lkg on Day 57 followed by 1.5 mg/kg once weekly until dulare progression Adverse effecti := Pipereia CRS, musulo skeletal pain, allegus, fatigue, Upper respiratory tract infection, naurea, headache, preumonia & diarehoca. I Hb, WBC, RBC, platelets. E neutrophils Query was followed up & documented. Given

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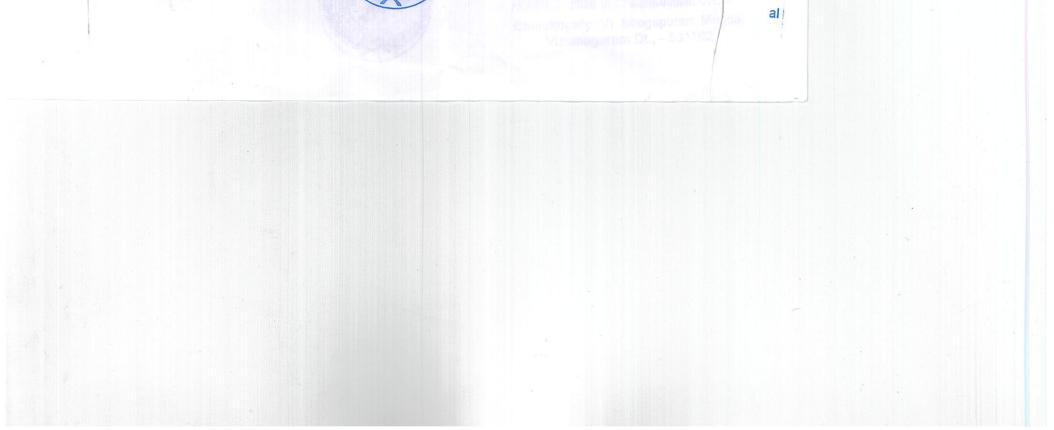


MINOR EXPERIMENT Dual binding rites Due to Patient counselling on inhaler techniques in adults :-. Hold the inhales & shake " Remove Cap. . Hold the inhaler upright ' Breath out gently · Put inhaler month pice between lips and teith . Trigger the inhalter while breathing in deeply & nowly ' Continue to inhale until the lungs are full . Hold breaths as long as you can tolerate · Remove inhaler & breathe out slowly ebrogebry Don't :-, Mouthing A I Show and a show as a · thing an empty inhalis Dag " Not shaking the inhales provide power and bound is · Use of MDI inhale without spaces · spraying several puffs of inhales into spaces what · Holding head too far forward or backwalled · Mouth not tight enough around spacer. · Inhaling medicine too fact simon province · Directing inhales at roof of moroth. E recarophile Given query was declosed up & stockmented .out

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Indent error - Error occurs during process of indenting Exitical evaluation of Biomedical literature ;-2. britical evaluation is the ability to judge the scientific value of literature & evaluation chould be done under strict conditions without bias. Rocers: - manuscript submission edministration error First round screening by editor in cheif A Sr bucks warned and pick Prepara accept of and anon Rejected - return, Content verification to author appella put wei - Buun pliagarism checke -> return to OK author for It is the discrepancy return modification m ? inconnection ant. Re-verification & - modified version intrabula to the Peer review basis of portuglion withou allergie fame interactions : Rejected -> Return to author accepted 2 minor or major revision St is the difference billiotern an revire comments. En 101 100 par biostromander send to editor in cheif supported per bobleting. ang, doc time, loA . etc. Proceed revision and a rows moitgion world an identical copy of prescription Revised Verstoning in medical recent. Ore 2nd sound refrected -> Rejected -> Return to and Avanthi Institute-of Pharmaceutical Science the of Langeon

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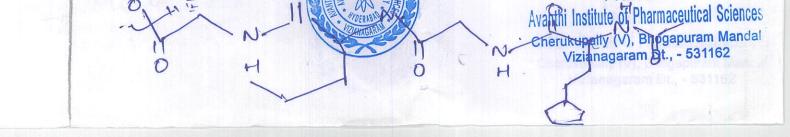
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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES TI MAJOR EXPERIMENT Surry on newly approved FDA Antineopla Year : 4 Year standing 2022. Demographics. department. Oneology MAMERING MOTORISS: Reason. to update knowledge Requeter : Asst professortanden 10. 2011ts Given query was obtained and categorised Given query was determined and categorised sos beach strategy include secondary resources Response was evaluated, analysed and synthesized. arti - neghache drug Response formulation Mirror Experiment Terlistinab Cq yv: 1.11 deug if knowr as the first hisperfu B-cell naturation antigen-directed CP; -T-all engager for adult pt's with relaysed (or) refraction nultiple nugetoma who have revened at least I prior lines of therapy, including a proteosome unhilitor, an immunomodulatory agent and an anti-cD.38 manelocal antibody chemin structure :-D,



MOA:taugets CO3 rueptor, c is expressed on surface is expressed on BCMA O T- cells and malignant cells 1 mit. halfast DOSE : 0.06 mg/kg Sc injuter 1 Day 1 1.03 mg Ikg Day - 4 / 1.5 mg Ikg on Day 7 followed by 1. Song lkg once weekly until disease progression. 1. the spaint, ADR's : and CRS elate at Conterna Pyrixia nuseulaskeletal pain addiss and Wood. ulor Allergies Ranne fatigue URT infutione Elauchus whater He divin Naurea NO headache pidads. Jail watter inhalue Pneumonia 10.M end diaretroca relati spraying second pupp JHP platelite & Newty tul WBEV, RBEN was fellowed cu Cojuen vanthi Institute of Pharmaceutical Scie downwated

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MINOR EXPERIMENT. 111 Patient councilling on inhalie techniques ordulti :in hold the inhalie and shake Kenione Cap hold the inhable repright Breathe out ajusting Marko Put inhalie month pine between lips and beet trigger the while heathing in deeply and slowly. Continue to inhale until the lunge are full. toold hereattre as long as you can tolerate Remote the inhalic and directive out slowly. Don'ti Stouching Using an empty enhalu Not shaking the inhaler Use of MDI inhalse without space. spraying several puffs of inhalee into spa Inhaling Impline, too fast inhale at roof of noot Duitg Ight enough alound outhilien not





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1975170019 II SYNOPSIS: has upper to stand Medication sessors: pair purileb "Eponetropelly It is defined as any preventable success that may cause (or) head to inappropriate use of medication while the prescription is hards al det health care professional (0r) patient. a types: Preciption error adardone les tos dispensing error mor suntific Condition withraint administration error transcription error indent ever. Preparation revoer includie wrong dug preparation etc Priscription eroe: ours due to illegalile handmitje dug allergies not found and me of out of list abbrevations dispensing ever: it is the discrepency between the pharmany and medicine that delivers to the patient and distributes to the word on the basic of prescription without identifying allergies dug interactions administration erer: it is the discripancy between administered by pt and preception intended by prescriber. It involves verong deug, dose, time Rot etc. ar identie Transpiption error process of making records copy of prescription paking Ereces in this process 561462

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IV Pharm D Lab internal examinations PCI (R08)

Scheme of valuation

S. No	Evaluation Process	Marks
1	Internal laboratory exam	20 M
2	Day to day assessment in laboratory	10 M
3	Total	30 M

Signature of the faculty

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	ICAL SCIENCES
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CERTIF	ICATE
Certified that this is a bonaf	ied record of Practical work done
by Mr./Miss K. Usha Su	a student
of B. Pharmacy, Pharm D.M. Pharm	acy, with Regd. No. 1975170012
	Laboratory of Department of
Pharmaceutical Sciences during the	year_ 2022 - 2023
No. of Experiments	
Cherukupally S	Bhogapuram (M), Vizianagaram Dist.
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-1872 - 18 580U82	Signature of Head of Dept.
Signature Faculty Incharge	Signature of Head of Dept.

NDEX

Serial No.	Date:	Name of the Experiment	Page No	Marks Awarded	Remarks
		QUERIES	8	- 5	
1.	17-8-2022	Gurry on drug paracetand	1-2	9	
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		Patient Counselling	8		
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Date 17-8-22 Expt. No. Page No. ____ QUERY-1 Demographics :-Department - General medicine Reason - To update Knowledge Requestor - Physician 2. Given query was obtained and categorised. and categoined fiven query was determined suburces strategy include secondary www. medplus, com www.ncbi, nib, gov Response was walkated, analysed & synthesized 5 Drug information :-Drug name; PARACETAMOL Therapeutic category - Antipyretic & analgence PARACETAMOL: -. also known as acetaminophen, is medicine used to treat pain & fever. It is typically used for mild to moderate pain It is typically used by mouth or restally & also available intravenouly. Effects last between 2-4 hus Recommended mascimum daily dove = 3-49 daniel is generally rafe at recommended Paracetaniol is generally rafe at dore higher dore may lead to toxicity including lives failure Signature: Suryodaya

Date ____ Page No. _____2 Expt. No. Mechanism of action:-Paracetamol relectively inhibits CDX (cyclo ongenare enzyme) activities in the brain & which may contribute to its ability to treat fever & pain. This activity does not appear to be direct inhibition by blocking an active side, but eather by reducing cox, which must be oreidized in order to function. Advence effects :fleatthy adult taking regular dose upto 4000 mg/day may show little evidence of toxicity. - liver damage - Main reaction & arthma. · untreated paracetanol overdisce results in a lengthy & painters illners. Paracetamol overdore result in repatotonicity Intoxicity of paracetamol is believed to be like to its quiniche metabolites Kidney failure is also a possible side effect paracetand which may cause congenital mayormation & is associated with increased rick of childhood arthma Contraindications:-Colonic undernutation . shock. soute liver failure 7. Given querif was followed up and documented. Signature: Suryodaya

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	PHARMACEUTICAL SCIENCES
Approved	l by P.C.I.A.I.C.T.E., Affiliated to J.N.T.U. Kakinada & Recognised by A.P. State Council of Higher Education) Cherukupally (V), Chittivalasa (S), Vizianagaram (Dist.) Pin - 531 162 Phone: 08933-226262, 9705169740.
	Certificate
	Certified that this is a bonafide record of Practical work done by
Mr./N	Aiss KOSURU. CHANDINI a student
of	Phorm - D with Regd. No. 1975170010
in the	<u>CLINICAL PHARMACY</u> Laboratory of Department of
Pharr	naceutical Sciences during the year
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Subr	nitted for practical examination held on: <u>-25 05 2023</u>
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Date 1718/22 Page No.__ol__ Expt. No. 1 QUERY-1 => Demographics: Department :- General medicine Reason ? To update knowledge Requestor: physician. Gener query was obtained & tategorised. Gêner quory was determined & tategorised. Search strategy includes Secondary resources WWW. med plus. Com WWW. ncbi. nib. gov -> Response was Evaluated, analysed and Synthe Sized. Lixung information: Drug name: PARACETMOL Therapeutic cotegery : Antipyretic & Analgesic. PARACETMOL, also known as acteominophen, is a medicine used to treat pain & fever. It is typically used for mild to moderate poin relief. It is typically used either by moult & rectally, and is also available intravenualy, effect last between 9 to 4 hrs Brammenaled maximum daily dose 3 to 4 gms. Paracetamol is generally safe at recommended dose higher doses may lead to toraicoty including lives failuros Mechaniscen of Action ? Paracitanal selectively inhibits Cox, Cyclowygenose Enzyme activities in the brain & cohon may contribute to its ability (Signature :__

Date. Expt. No. Page No. 02 to treat ferrex & para. This activity does not appear to be direct Pahibilion by blocking an active lite, but rather by reducing cor, cohich must be oreidised in order to tunction Adverse Effects: Healthy adult taking regular does upto 4,000mg perday may show little Evidence of toreicity. =r liver alamage = Skin reaction = Astrama. untrated paracetamel overdose results in a lengthy & paintess 211no 33. => paracetamel overdose results in populationity. => Intoicitity of paraceta not is believed to be like to its quinone metabolite. - Kidney toiluxe is also a possible side effect paracetamet which may cause congential malformation & is associated with a increa -se rick of childhood Astra ma. Contro indication: => Caloric under mutinition => Acute liver failure of thock Given query was tollaged up & documented. Signature :____

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CERTIFICATE	
Certified that this is a bonafied record of	Practical work done
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in the <u>clinical</u> pharmacy <u>Laborato</u>	ry of Department oj
Pharmaceutical Sciences during the year 2	022-2023
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Submitted for Practical Examination held on :	25 15 2023
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	5	5/4/23	Case presentation -04	45.47		4

Date 17/8/22 Expt. No. ____OL Page No. ____OI QUERY-1 Demographics:-Department - Greneral Medicine Reagon - To update Knowledge Requestor - Physician query was obtained and categorised 2 Gilven was determined and caldywind Griven quer strategy included Secondary Susairces 4 www. medplus . c Response wal evaluated and lynthesized 5 Drug Information 6 Drug Nome -PARACGIAMOL The neipeubic colegory - Antipyritic and one legisic PARACETAMOL - also known as acetimeusphen is a medicine und to sheet pain and finer. It is hypically for mild to moderate pain ordief Jt is typically used for mouth (or) rectally and Hisaleo available i.v. effects, back behoven 9-4 hours Pocommanded maximum dearly dore & 3-49 paraectance is generally safe at recommended doke higher dale lead to lowcity including liver failure Mechanism of Action paracedumol selectively inhibits cox (cyclo organice enzyme) activity in brain and which may contribute treat fewer and pron. this activity its activity to Signature: Suryodaya

Date ____ Expt. No. Page No. 02 to be direct inhibition by Kocking appeed edire lete, but redier by reducing cox which mu oxedised in order to femetion 5- Healthy adult deking regular dates upto second per day muy show little evidence of per day skin reaction Athma untreated paracetamol ovorclose succelly Ilneer. gainfei ourdose scenth in heretotoxicity parecetomo1 paracetramol in beloe Toxicity its quinone 11 also a possible side Kidney facture celemot whech may cause nation childhood effime Contro indications we of paraeetamol is contrainducated in case des nutrition e liver failure Shork. followed up and documer Wel query Gilven 40/22 Signature: ____ Suryodaya

CLERKSHIP ASSESSMENT

Guidelines for Pharm D Clerkship

- 1. In the Fifth year of academic program, each student will be posted to at least four different specialties during the clerkship period (06 months) on roaster basis.
- 2. Out of the total clerkship duration of 06 months, 2 months training in General Medicine, 2 months training each in Paediatrics and O&G shall be made compulsory and evaluation of the training should be done through maintenance of a log book.
- 3. During clerkship each intern is expected to provide the following services in the ward independently.
 - Ward round participation
 - Treatment chart review
 - Medication history review
 - Drugs and poison information
 - Detection and management of Adverse drug reactions
 - Patient counselling
 - Therapeutic interventions
- 4. The clerkship student work log book should be signed by a preceptor (Teacher Practitioner) on weekly basis and provide feedback to the student.
- 5. The clerkship work of the student should be assessed by testing the knowledge, skills and attitude during and also at the end of clerkship.
- 6. <u>Evaluation criterion:</u> clerkship student performance_is evaluated using the following scoring system.

Particulars	Poor	Fair	Below average	Average	Above average	Excellent
Score	0	1	2	3	4	5

A score of 3 and above represents satisfactory completion of clerkship for the issue of clerkship completion certificate.

7. However, if the candidates work is not satisfactory & the scoring is less than 3, he/she has to continue the clerkship to the satisfaction of the Preceptors.

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

CERTIFICATE OF CLERKSHIP

(on the institution letter head)

This is to certify that Mr./Ms______of [Institution name and address] has successfully completed the Internship in the following units/departments as prescribed under regulation 16 and Appendix C of Pharm D Regulations 2008.

Department	Da	te ·	Total duration [in months]
	From	То	
Medicine [Two Months compulsory]			
	Any 2 of the	following	18
Surgery			
Pediatrics		а. ¹⁴	
OB &G			
Psychiatry			
Skin and VD			
Orthopedics			

Preceptor



Head of the Institution PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Seal of the Institution

Pharm D 5 Th Year Clerkship Activity Report

Name of the student:

Reg No:

S No	Clinical activities	Activities prescribed (minimum)	Activities carried out	Performance* (on 0 to 5 scale)
	I. Cle	rkship Activit	ies	
1.	Case collection	20		
2.	Patient history review	20		
3.	Treatment chart & prescription audit review	20		
4.	Patient counselling	20		
5.	Case presentations	06		
6.	Journal club presentations	06		
7.	Drug information quires	06		
	II. Opti	ional activitie	S	
8.	Drug - Drug interactions	(Optional)		
9.	Adverse drug reaction documentation	(Optional)		

*Use the given or similar formats for evaluation of students for each activity

Overall scoring of the candidate:

Particulars	Poor	Fair	Below average	Above average	Excellent
Score	0	1	3	4	5
V. Muy	fantaer			1	

Signature of the Preceptor

Signature of the Examiner

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences: Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Ferns

CLERKSHIP EXAMINATION

Mode of examinations.

Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

Practical's	Sessional	Marks	Final Examination	Marks
Major experiment	Case presentation	10	Case presentation	30
Minor experiment	Perform clinical pharmacy activities as per defined objectives	05	Perform clinical pharmacy activities as per defined objectives	20
Clerkship activity	Reviewing of clerkship activity carried out by the student	03	Reviewing of clerkship activity carried out by the student	10
Viva	-	02	Viva	10
Regularity and promptness	-	10	-	-
Maximum marks	PHRAMIC PHRAMIC	30	-	70
Duration	3 hours	3	4 hours	

Scheme For Practical Examination of Clerkship

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences: Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES CHERUKUPALLY(V), BHOGAPURAM (M) VIZIANAGARAM (DIST), AP – 531162.

DEPARTMENT OF PHARMACY PRACTICE

DOCTOR OF PHARMACY - CLERKSHIP

(SUBMITTED TO)



JNTUGV, AP.

Submitted by

Name Of Intern: B. MADHAVI

Registration No: (18T51T0005)



2022 - 2023



2023 Avanthi Institut

Avanthi Institute of Pharmaceutical Sciences: Cherukupally (V), Bhogapuram Mandal CLERKSHIP INCHARGE: Dr. V. Uma SainikargarPhD., - 531162

DOCTOR OF PHARMACY - (PHARM-D)

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

cherukupally(v), bhogapuram (m) vizianagram (dist), ap -

<u>531162.</u>



ESTD 2005

CERTIFICATE

This is to certify that Mr./Mrs. <u>B. MADHAVI</u> Reg No. <u>18T51T0005</u> batch <u>2022</u> <u>2023</u> of Avanthi Institute of Pharmaceutical Sciences, Vizianagaram has successfully completed the CLERKSHIP at the maharaja institute of medical sciences and hospitals Vizianagaram department of pharmacy practice under PHARM- D regulations 2008, Academic year; <u>2022-2023</u>

1. Ihra

Faculty in charge Mr. V. UMA SANKAR HOD / Vice Principal Avanthi Institute of Pharmaceutical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O Bhorumusam (M) Visionascon Dist

signature of principal

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Internal ExaminerKAR

HOD / Vice Principal Avanthi Institute of Pharmaceutical Sciences

CHITTIVALASA S.A.O Bhogapuram (M), Vizianagaram Dist.



External Examiner

Estd. 2005	CHERUK	PHARM UPALLY, DO	NTHI IN ACEUTI TAGARAP CTOR OF IENT PRO	CAL S UVALA PHARN	CIENCI SA, VIZ MACY	ES IANAG	ARAM	
Name: 🔥 🗶	LP. No:	06837	Age 🎝 🧝	Gende	er: Fend De	partmen	it: Gen-Med	[izi
Unit:	D.O.A:	D.O.	D:	Addre	SS:			
A) SUBJECTIV	E EVIDENC	E:					t.	
Chief compl	aint: c o	vomitir	Var 3 ep(so dis	since	e mos	ming-follow	apel
ty ser	sures à	episod	es , for	th fr	omm	sufA, ,	-tonger by	gh
Past medical			ic 7.2 30 ptisen			~		
	T Olan; T Chlos	poomaz	in loor	ng				
Social histor	y:							
Smoker: 🔨	0	Alcoholic:	NO	(Occupatio	n:		
B) OBJECTIVE	EVIDNECE:		C THERE AND					
Vitals Blood pressure	Dayl		Day3		and the second	and the second state of th	and a state of the second s	
mon hiessaic	100/70	130/90	120/10	130/8	0130/7	01301	100/00	
Respiratory rate	and a second sec							
Femperature	Af	Af	AFIL	A	AF	AF	AF	
PR	60	Avantin IS stitute	RINCIPAL 01 Philmeceul (V), Bhogapur	ca Petence		81	70	

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PHYSICAL EXAMINATION:

Respiratory System	
Cardio Vascular System	
Central Nervous System	
Abdomen	

C) LAB INVESTIGATIONS: S. Createrine - D. Engld1 HB - 12gld1 Blood usca - 21.3 mg/d KIBC - 23000 cells Cumm Serum sodium - 121 mmol[L Neutrophils - 80% spotassium : 4:3 monulife Lymptro cytes: 16%. Chloride : 89 mmol [L Essinophils: 44. Phosphates: 7.39 mmellL Serum bilesubin : 0.4mg/da calcium: 1-85 mmolil Direct bilisubin: 0.4 mgb1 CT brain: Small typo donsity in BIL SGIPT : SHIUL -fontal periventsiculas white matter likely SCHOT: 9HIULL Small vessel ischaemia ALP: 77.5 IULL Albumin: 4.59 [d]

D) **DIAGNOSIS**:

Paranoid schizophrenia, GITCS 2° to typo natorenia

E) ASSESSMENT:

1) Aetiology:

a) Cause of the problem:

xlot known

b) Does the patient have any risk factors:



c) Is this a drug-induced disease: NO

2) Need for therapy:

Nature of the problem: Mild / Moderate / Severe Acoute / Chronic:

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

3) Current therapy:

Drug name	Dose	Dosage form & R.O.A	Frequency	D	urati	on C	of the	e Tre	atme	nt
				1	2	3	4	5	6	7
Enj Pantop	Home	21	OD	\checkmark	~	\sim	~	v	r	~
Inj Phenytoin	loomg	IN	CIET	\checkmark	~		\sim	V	~	~
T. Tochenphenidy	drg	PO	OD				~			
T. Asperin	LSomg	PO	00					~	~	~
T. Clopidogsel	TSmg	PO	60					~	~	\sim
T. Atosvastation	Long	Po	00					V	~	~
Inj Ondensetion	Ling	ZU	50 0		\sim	\checkmark	~			
Inj Optineuson	lampin 100nut NS	EV	-	~	\checkmark	\checkmark	~	\sim	\sim	~
IV fluids HISTONS	100ml/	IV			\sim	\checkmark	~	~	V	\sim
,										

a) The necessity of current drugs (justify):

Pantop - PPI Phenytoin - Anticonvilcant

Tothenphenidy 1 - Anticholinegic

b) Patients response to treatment:

Good

c) Any adverse effects:

Hyponatsemia

d) Is patient adherent to the treatment: Yes

e) Correctness of Dose / Dosage form / R.O.A of drug regimen: Not required

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Aspisuin & Clopidogel - Antiplatelet

Optineuson - Multivitamin,

Atovastation station

1

F) PLAN:

• Goals for the problem:

To seleve from symptom.

• Recommend treatment: continue treatment/discontinue treatment: (If discontinued specify the reason)

Continue treatment

Suggest alternate therapy (if current therapy is not working or results in adverse effect)

Mot requised

Patient Education:

1) About disease: Pasaroid Schizophiserica is a serious

mental devos dur in which people interpoet scality abnosmally Gites: A grandmal seizure causes a loss of consciousness & violent muscle contractions

2) Use of the drugs:

Pantoppagele : So intribut gastoric and Secretion Thenytoin : So represent seizures Southemptienidyl : Antrichologic, Julanes Smooth

muccles

Ascprain & Clopidognel

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Atorvastatin : Statins - Geducer lipid level: in blood. Ondansetoon : To prevent nausca & vormiting Optimerson : Multivitanin EV fluids : To tocat type natoennia Administration Guidelines: Administration Guidelines:

Physician

Dietary changes:

No charges in diet

Lifestyle modifications:

- Enercise Regularly
- Follow balanced dief

Precautions:

- Consult psychiatrict
- Attend counselling sessions

- Follow porescription striked Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

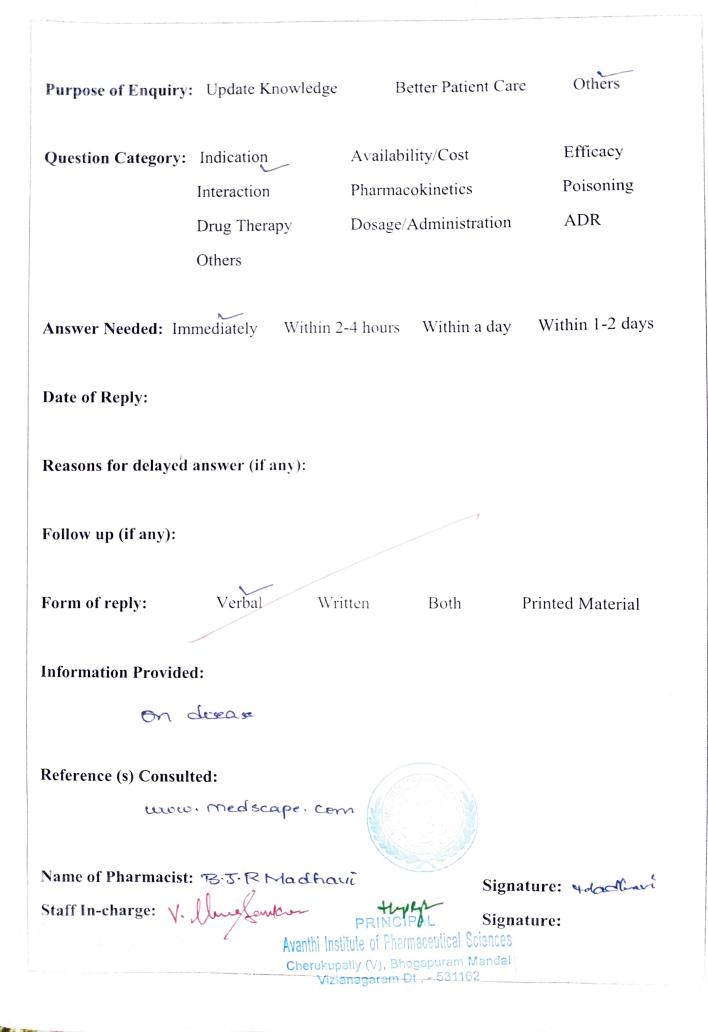
Estd. 2005			RMACEUTICAL SCIENCES VALASA, VIZIANAGARAM PHARMACY
	DRUG INFO	ORMATION DOC	CUMENTATION FORM
Date:		Time:	Received by:
Department: 😽	en Medicine	Unit:	Phone No.:
	ofessional status:		
Physician	P.G.	Intern	Others
Patient details	:		
Age: 💦	Weight:	Sex: M/F	Liver/Renal Function:
Allergies:			
None			
Current Medica	l Problems:		
Paranoi	d schizophre	nia, Gites 2°	to hyponatsenua é
	l Nessel isc	c	0.
Relevant Drug 7			
Inj Pher	utoin-coom	y T. A	torvartation - 40 mg
T. Asp	irin - Ison	ng Sur-	fluids
T. Clopi	dogsel - 75m	9 (15)	optenevoon- lampin voon (N
Speeme backgro	ound information co	llected?	Yes No
Details of Enqu			
	Disease		
Mode of Reque	st: Direct Access	During Ward-rot	hast Telephone Others

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AVA	CHERUKUPALL	Y, TAGARAPUVAL DOCTOR OF PH	CEUTICAL SCIENCES ASA, VIZIANAGARAM IARMACY IMENTATION FORM
Name of the Patient:	Ag	e: 28 Sex: 7	emale I.P No: 06037
Social History:	Dia	agnosis: KCCO	Toranoid Schizophonenia.
Pregnancy/Lactation:		Gites J	For typo totacuna E Small
Details of Drug Therapy			
In phenyton	n		
Inj Phenyton Inj Atosvasta	atin		
Ay stores			
Type of Interaction	Severity & Documentation	Summary of Interaction	Clinical Management
Drug-Drug		phenytoon	Atoxyactolog a
Phenytoin -	Hoderat	decreases	Atosvactation combe Substituted by Atovastation, rpoward
Phenytoin - Atomastatin	The Columbia	Atomastation	substituted by
Artosvers		metabolism	Alurastatin, pourast
Drug-Food			
Drug-Tobacco, Ethanol			
Drug- Pregnancy/Lactation			
r eguney/ Sactation			
Was the Drug Interaction	was discussedit		
Any appropriate Suggestion			
	J 1	Yes	□ No
Name of the Student: "B	-J-M Madt	ralli	Date:

-

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and a state



Others (please specify):

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES CHERUKUPALLY, TAGARAPUVALASA, VIZIANAGARAM

DOCTOR OF PHARMACY

PHARMACIST INTERVENTION DOCUMENTATION FORM

1. Patient Details:					
Name: 🗸 🔊 🔊	Age: 28	Sex: M/F	I.P	/O.P No:	
Ward: Gen medicine	D.I. No:		Date of a	dmission:	
Reason for admission: C	o vornit	tings foll	aved a	by seizures	
On examination:		0 1			
Diagnosis: Paranoid 2. Prescription Details:	schizo ressel is	phorenia, chaenwo	Gitcs Z La	ڈ to try po ratoenic boratory Data:	a
S.No Drug	Dose &	& Frequency			
1. Eug Phenyton 2. T. Aloriast 3. T. Clopidage	n 100 stin 40 el 7	mg Brug			
3. Prescription Problem (Ch	eck all that	apply):			
Allergy Interaction			te Rx	High Dose	
Prior ADR Unnecessa	ry Drug	Duplicati	on	Low Dose	
Contraindication Wrong Dr	ug	Excessive	e Duration	Inconvenient	
Others (please specify)					
Drugs Involved Strength	Dire	ection	Quantity	Cost (Rs.)	
4. Action Taken (Check al	l that apply	·):			
Discussion with Patient		Discussi	on with Pre	escriber	
Discussion with Patient Repr	esentative	1081		eference Consulted	

CIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram DL, - 531162

5. Recom	mendations (C	heck all that a	apply):					
Change: [Drug		Dose:	Increase				
[Dose			Decrease				
[Duration		Drug:	Stop/Hold				
	Form/Route			Add				
	Schedule		Other:	Laboratory Data				
Brief:								
6. Interve	ntion Accepted	l:						
Yes		🗌 No						
7. Results	(Check all that	t apply):						
Rx:	Dispense	Dispensed as Written		Clarified & Dispensed				
	🗌 Not Disp	ensed	Changed	& Dispensed				
Patient:	Counsell	ed	Written]	information given to Patient				
Others:	Improved	l Compliance						
o thers.	-	<u>^</u>		Therapeutic Effectiveness				
		Cost by Rs		Toxicity/ Side Effects				
			~					
8. Follow i	p Details of the	e Patient:						
		6						
		Les and the second seco						
9. Interven	tion Made By:	Name:	B.J.R Ma	thavi				
		Design		Signature with Date:				
		PF	INCIPAL					
		Avanthi Institute o	of Pharmaceutical Scier	dal				
· · · · · · · · · · · · · · · · · · ·		Vizianada	/), Bhogapuram Man aram Dt., - 531162					

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES CHERUKUPALLY, TAGARAPUVALASA, VIZIANAGARAM DOCTOR OF PHARMACY PATIENT COUNSELLING FORM
Patient name: 🔨 Age/Sex: 🎝 🖇 📔 Date:
Past Medical History: Astfima - Dyeans klelo paranoid Schizophrenie
Family Medical History:
Personal Medical history (Life Style Occupation):
Current Illness: kiclo parsanoid schizophiscenia EGICS E
Allergies (Drug/Food/Other): None
Medication: Try Partop Juj Ordansetson F Clopidogsel Try Phenytoin T-Atosvastatin T. Tsithenphenidy (Counseling Given On: T-Aspessin
discose condition, Precautions
Patient perception with respect to disease and medication:
Patient compliance and evaluation: Poor Satisfactory Good
Major side effects and management:
Hyponatienna - Durfluids given Provision of written information:
Precautions: follow prescription storcfly
Aftend courselling sessions PRINCIPAL
Interactions (drug-drug, drug-food, drug-disease): Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal
Phenyfoin - Aforrastatin Vizianagaram Dt., - 531162

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Storage:
Information on missed doses:
Any Communication barriers: ves on no If Yes:
Language Literacy Physical (sensory impairment) Anxiety Age Time
Non-Co operative Comments:
Signature of the Patient: Signature of clinical pharmacist:
Avanthi Institute of Pharmaceulical Sciences Cherukupatty (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

INTERNSHIP

ASSESSMENT

Guidelines for Pharm.D internship

- 1. In the Final year of academic program, each student will be posted to at least four different specialties during the internship period (12 months)on roaster basis.
- 2. Out of the total internship duration of 12 months, 6 months training in General Medicine, two months training each in Pediatrics and O&G shall be made compulsory and evaluation of the training should be done through maintenance of a log book.
- 3. During internship each intern is expected to provide the following services in the ward independently.
 - Ward round participation
 - Treatment chart review
 - Medication history interview
 - Drugs and poison information
 - Detection and management of Adverse drug reactions
 - Patient counseling
 - Therapeutic interventions
- 4. Each student is required to maintain the log book of services provided on daily basis.
- 5. The internship work log book should be signed by a preceptor (Teacher Practitioner) on weekly basis and provide feedback to the intern.
- 6. The internship work of the student should be assessed by testing the knowledge, skills and attitude during and also at the end of internship.
- 7. The evaluation of satisfactory completion of the internship is done based on
 - Proficiency of knowledge
 - Competency
 - Responsibility and punctuality
 - Involvement in patient care.
 - Team behavior
 - Initiative and participation in active discussions and research.
- 8. Evaluation Criterion

Intern's performance is evaluated using the following scoring system

Poor	Fair	Below Average	Average	Above average	Excellent
0	1	2	3	4	5

A score of 3 and above represents satisfactory completion of internship for the issue of internship completion certificate.

9. However, if the candidates work is not satisfactory & the scoring is less than 3 he/she has to continue the internship to the satisfaction of the Preceptors.



1

CERTIFICATE OF INTERNSHIP

(on the institution letter head)

This is to certify that Mr/Ms

of _____ [Institution name and address] has successfully completed the Internship in the following units/departments as prescribed under regulation 16 and Appendix C of Pharm D Regulations 2008.

Department	Date		Total duration [in months]
	From	То	
Medicine [Six Months compulsory]		-	
	Any 3 of the f	following	
Surgery			
Paediatrics			
OB &G			
Psychiatry			
Skin and VD			
Orthopaedics			a

Pre



Aum Head of the Institution

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES CHERUKUPALLY(V), BHOGAPURAM (M) VIZIANAGARAM (DIST), AP – 531162.

DEPARTMENT OF PHARMACY PRACTICE

DOCTOR OF PHARMACY - INTERNSHIP

(SUBMITTED TO)



JNTUGV, AP.

Submitted by

Name Of Intern: D. PADMA PRIYA

Registration No: (17T51T0007)





PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Man dal Vizianagaram Dt., - 531162

2022 - 2023

INTERNSHIP INCHARGE: Dr. Randeep raj

DOCTOR OF PHARMACY - (PHARM-D)

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

Cherukupally(v), bhogapuram (m) Vizianagaram (dist), ap -

<u>531162.</u>



ESTD 2005

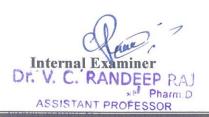
CERTIFICATE

This is to certify that Mr./Mrs. <u>D. Padma Priya</u> Reg No. <u>17T51T0007</u> batch <u>2022-2023</u> of Avanthi Institute of Pharmaceutical Sciences, Vizianagaram has successfully completed the INTERNSHIP at the maharaja institute of medical sciences and hospitals Vizianagaram department of pharmacy practice under PHARM- D regulations 2008, Academic year; <u>2022-2023</u>

Faculty in charge Dr. V. C. RANDEEP RAJ Pharm.D ASSISTANT PROFESSOR AVANTAL INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally (V), Bhogapuram (M), Vizianagaram Dist-531162

thurn signature of principal

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Cherukupally (V). Bhogapuram (M). Vizianagaram E-si-531162 ---



External Examiner



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES CHERUKUPALLY(V), BHOGAPURAM (M), VIZIANAGRAM (DIST), AP-531162.

DOCTOR OF PHARMACY

ANNUAL CLINICAL ACTIVITIES - INTERNSHIP (2022-2023)

CLINCAL ACTIVITIES		
Attendance		92.3%
Ward round participation		280
Treatment chart review		280
PHARMACIST INTERVENTIONS	Dose Adjustments / Errors	40
	Non -Indication	10
	Contra Indication	10
	Sub Therapeutic Doses	15
	Off Labels	15
	Drug Interactions	30
	Poly Pharmacy	280
	Therapeutic Duplications	10
	Other Drug Related Problems	-
Medication Therapeutic Efficacy		78
Suspected -ADRs		25
Patient Counselling		280
Drug & Poison Information		20
PRESENTATIONS	Case Presentations	12
	Seminar Presentations	12
	Journal – Club Presentations	12
Medical awareness camp(s)/ rallies		3
Webinars/ seminars attended		5
	R OF ACTIVITIES	=1407

Name of intern: D. Padma Priya

Signature of preceptor:

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences CINFERDSHIP (29, GHV5AJATIM Mandal Vizianagaram Dt., - 531162

REG NO: 17T51T00,07

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, GURAJADA-VIZIANAGARAM. CENTER : AVANTHI INSTITUTE OF PHARMCEUTICAL SCIENCES-T5 Cherukupally(V), Bhogapuram(M), Vizianagaram(Dst)

Examination : Pharm.D VI Year August- 2023 Subject : Internship

Name& Address of Examiner:

External: Dr. M. B. V. Raju,

Principal.

Avanthi Inst. of Pharmaceutcal Sciences, Cherukupally, Vizianagaram.

Internal : Dr. V. C. Randeep Raj Preceptor.

Date of Exam

: 04/08/2023

1. Name of the Candidate

: MYLAPALLI ABHISEKHAR

2. Register No

*

: 17T51T0017

Grade

A

F

4

- Excellent
- B Above Average
- C Average
- D Below Average
- E Fair
 - Poor



Precaptor Availated for the of Planteeoulical Sciences CHERUKUPALLY (V) CHITTIVALASASAO



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PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizienagaram Dt., - 531162 Signature of External Examiner Dr. M.B.V. RAJU Principal Avanthi Institute of Pharmaceutical Science CHIERUKUPALLY (V) CHITTIVALASA S.A.O Bhogapuram (M) Visionee State

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally(V), Bhogapuram (M), Vizainagaram(Dst)

EVALUATION OF INTERNSHIP

Dt: 04/08/2023

Name of the Candidate: MYLAPALLI ABHISEKHAR

Regd No: 1775170017

Year: VI Pharm.D

S.No	Objective	Score Obtained	Score
I and the second second	Proficiency of knowledge required for each case management	5	0-5
2	The Competency in skills expected for providing clinical Pharmacy Services	5	0-5
3	Responsibility, Punctuality, Work up of case, involvement in patient care	5	0-5
4	other healthcare professionals including medical doctors, nursing staff and colleagues)	5	0-5
5	Initiative, Participation in discussions, research aptitude.	5	0-5

Poor Fair Below Average	Average	Above Average	Excellent
	3	4	(3)

Dr.V.C.Randeep Raj PREFEREN

Avanthi Institute of Promoceutical Sciences CHE FRINKLIPALLY (V) CHIT THALK MAIS ALO Bhogapuram (G), Vicencyaram Diet



Dr.M.B. Venkatapathi.Raju PRINCIPAL

Dr. M.B.V. RAJU Principal Avanthi Institute of Pharacteutical Science CHERUKUPALLY (V) CHITTIVALASA S.A.O Bhogapuram (M), Vizianagaram Dist.

IPAL

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



AVANTHINSTITUTE OF PHARMACEUTICAL SCIENCES

Cell: 9553492999

(Approved by AICTE, PCI, Recognized by the Govt of A.P. & Affiilated to JNTUK, Kakinada) Cherukupally Village, Near Tagarapuvalasa Bridge, Vizlanagaram Dist. A.P - 531 162 Web : www.avanthipharma. ac in. E-mail : principalavanthit5@gmail.com principal_t5@rediffmail.com

From: Dr.M.B.V.Raju M.Pharm,Ph.D PRINCIPAL

CERTIFICATE OF INTERNSHIP

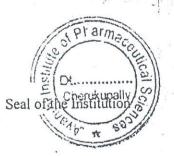
(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Ms. MYLAPALLI ABHISEKHAR Regd No.17T51T0017 Of Avanthi Institute of Pharmaceutical Sciences from 2017-2023 pursuing Doctor of Pharmacy (Pharm-D) course .She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaramin the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi,

Donortmost	Date		Total Duration	
Department	From	To	(in months)	
Dermatology	Aug 2022	Sep. 2022	2Months	
Gynecology	Oct. 2022	Nov. 2022	2 Months	
Pediatrics	Dec. 2022	Jan. 2023	2 Months	
General medicine	Feb.2023	Jul .2023	6 Months	

Preceptor

Averation Francisco Contractor Averation - Contractor Contractor (V) Contractor (ALLY (V)



the Institution. Head of

Dr. M.O.V. RAJU Principal Avanthi Institute of Phermaceutical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O Bhogapuram (M), Vizianagaram Dist.

Station:Cherukupally Date: G 8 2023

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Committed for achieving Excellence in Technical Education

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, GURAJADA-VIZIANAGARAM. CENTER : AVANTHI INSTITUTE OF PHARMCEUTICAL SCIENCES-T5 Cherukupally(V), Bhogapuram(M), Vizianagaram(Dst)

Examination	:	Pharm.D VI Year August- 2023	
Subject	t Secol ^{es} a	Internship	1. 1. 1.

Name& Address of Examiner:

External: Dr. M. B. V. Raju,

Principal.

Avanthi Inst. of Pharmaceutcal Sciences, Cherukupally, Vizianagaram.

Internal : Dr. V. C. Randeep Raj

Preceptor.

Date of Exam

: 04/08/2023

1. Name of the Candidate

: PENTAKOTA AKHILA

2. Register No

:17T51T0019

Grade

A - Excellent
B - Above Average
C - Average
D - Below Average
E - Fair
F - Poor



PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Signatule of External Examiner Dr. M.B.V. RAJU Principal Avanthi Institute of Pharmaceulical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O Bhogapuram (M), Vizianagaram Dist.

Preceptor

Signature of Preceptor Preceptor Avanthi Institute of Flormsceutical Sciences CHERDKUPALLY (V) CHITTIVALASA S.A.O Bhogapuram (M), Vizianage of sector

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Cherukupally(V), Bhogapuram (M), Vizainagaram(Dst)

EVALUATION OF INTERNSHIP

Dt: 04/08/2023

Name of the Candidate: PENTAKOTA AKHILA

Regd No: 17T51T0019

Year: VI Pharm.D

S.No	Objective	Score Obtained	Score
1	Proficiency of knowledge required for each case management	4	0-5
2	The Competency in skills expected for providing clinical Pharmacy Services	4	0-5
3	Responsibility, Punctuality, Work up of case, involvement in patient care	4	0-5
4	Ability to work in a team (Behaviour with other healthcare professionals including medical doctors, nursing staff and colleagues).	4	0-5
5	Initiative, Participation in discussions, research aptitude.	4	0-5

Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	(4)	5

Dr.Y.C.Randeep Raj PRECEPTOR Proceptor. Avanthi Institute of Pharmaceutical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O Ehogoruma (M), Vizianogorum 2151.



Dr.M.B.Venkatapathi.Raju PRINCIPAL

Dr. M.B.V. RAJU Principal Avanthi Institute of Fhat isocatical Sciences CHERUISSIC (V) CHITTINGS A.O Bhogepuram (1), Vizianayaram Pirt

CIPAL PRIM Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

Cell : 9553492999

(Approved by AICTE; PCI, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada) Cherukupally Village, Near Tagarapuvalasa Bridge, Vizianagaram Dist. A.P - 531 162 Web : www.avanthipharma. ac in. E-mail : principalavanthit5@gmail.com principal_t5@rediffmail.com

From: Dr.M.B.V.Raju M.Pharm,Ph.D PRINCIPAL

CERTIFICATE OF INTERNSHIP

(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Ms. PENTAKOTA AKHILA Regd No.17T51T0019 Of Avanthi Institute of Pharmaceutical Sciences from 2017-2023 pursuing Doctor of Pharmacy (Pharm-D) course .She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaramin the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India; New Delhi.

Department	L. I	Date	Total Duration
	From	То	(in months)
Dermatology	Aug 2022	Sep. 2022	2 Months
Gynecology	Oct. 2022	Nov. 2022	2 Months
Pediatrics	Dec. 2022	Jan. 2023	2 Months
General medicine	Feb.2023	Jul.,2023	6 Months

Precepto



the Institution

Dr. M.B.V. RAIU Principal Avanthi Institute of Pharmaceutical Sciences CHERUKUPALLY CHITTIVALASA S.A.O Bhogapuram (M)) Vizlanagaram Disi

Station: Cherukupally Date: 4/8/2023

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Committed for achieving Excellence in Technical Education



EXTERNAL THEORY EXAMINATION ASSESSMENT



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM PHARM "D"V YEAR REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY- 2023

(2018 TO 2012 ADMITTED BATCHES)

TIME TABLE

Time:10.00 AM To 1.00 PM

DATE & DAY							
08-05-2023 (Monday)	10-05-2023 (Wednesday)	12-05-2023 (Friday) CLINICAL PHARMACOKINETICS & PHARMACOTHERAPEUTIC DRUG MONITORING (T5103)					
CLINICAL RESEARCH (T5101)	PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS (T5102)						

NOTE:

(1) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY
 (II) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
 (III) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY IMMEDIATELY, IF ANY OTHER SUBSTITUTE SUBJECTS ARE NOT INCLUDED IN THE ABOVE LIST.

Date:02-05-2023

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Controller of Examinations

Controller of Examinations JNTU Guraiada, Vizianagura



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM

PHARM "D"IV YEAR REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY- 2023

(2019 TO 2012 ADMITTED BATCHES)

TIME TABLE

Time: 10.00 AM To 1.00 PM

DATE & DAY							
09-05-2023 (Tuesday)	11-05-2023 (Thursday)	15-05-2023 (Monday)	17-05-2023 (Wednesday)	19-05-2023 (Friday)	22-05-2023 (Monday)	24-05-2023 (Wednesday)	
PHARMACOTHERA PEUTICS -111 (T4101)	HOSPITAL PHARMACY (T4102)	CLINICAL PHARMACY (T4103)	BIOSTATISTICS & RESEARCH METHODOLOGY (T4104)	BIOPHARMACEU TICS & PHARMACOKINE TICS (T4105)	CLINICAL TOXICOLOGY (T4106)	PHARMACO THERAPEUTICS I & II (T4111)	

NOTE:

(I) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS. IMMEDIATELY (II) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES. THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL (III) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY IMMEDIATELY. IF ANY OTHER SUBSTITUTE SUBJECTS. ARE NOT INCLUDED IN THE ABOVE LIST.

Date:02-05-2023

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Controller **of** Examinations

Controller of Examinations JNTU Guraiada, Vizianagaram



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY-GURUJADA VIZINAGARAM Vizianagaram-535003, Andhra Pradesh (India) (Established by Andhra Pradesh Act No.22 of 2021)

Appointment of Observer

Date: 06-05-2023

From The Controller of Examinations, J.N.T. University Gurajada-Vizianagaram, Vizianagaram.

To The Principal, BABA INSTITUTE OF TECHNOLOGY AND SCIENCES Bakkanapalem, Visakhapatnam

Sub: Observer for Pharm.D Examinations May-2023 during 08-05-2023 to 15-05-2023 - reg

This is to inform you that depute one senior faculty, Sri. MAHESHPALAKOLLU, 9866358722 from your college to **Avanthi Institute of Pharmaceutical Sciences (College Code: T5)** to act as observers for Pharm.D Examinations May - 2023. During conducting of examinations if any problem arise the observer can directly contact the office of the Controller of Examinations.

Thanking You

Principal

Controller of Examinations

NOTE:

- 1. The observer must clearly identify that every Hall ticket should have the photo of that particular student and it should be online generated.
- 2. The student who are not received online hall ticket are not eligible for University Examinations.
- 3. Exams will be conducted as per timetable timings, strictly.
- 4. If deputed faculty not available, principal may depute any other senior faculty (recently not deputed) as observer and send the concern details to Controller of Examinations and Exam Center.
- 5. Observer must and should fill the Dairy and sent it to Controller of Examinations.
- 6. The Observer shall report the Examination Center before one hour the commencement of examination.
- 7. For any Queries Regarding Examination, Observer can Contact to Exam Cell 8374033499.



Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM



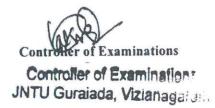
Jumbling/Clustering Centers List For Pharm D III, IV & V Year Regular & Supply Examinations , May - 2023

SNO	CC	COLLEGE NAME	CC	EXAM CENTER NAME	ALLOTTED STRENGTH	DIST
1	РК	Viswanadha Institute of Pharmaceutical Sciences	Т5	Avanthi Institute of Pharmaceutical Sciences	71	VSP
2	HH	Gokul Pharmacy College	6B	Swami Vivekananda Engineering College	9	VZM
3	T5	Avanthi Institute of Pharmaceutical Sciences	РК	Viswanadha Institute of Pharmaceutical Sciences	80	VSP
.4	AC	Vignan Institute of Pharmaceutical Technology	NT	Visakha Institute of Engg and Tech, Narva, Visakhapatnam	72	VSP

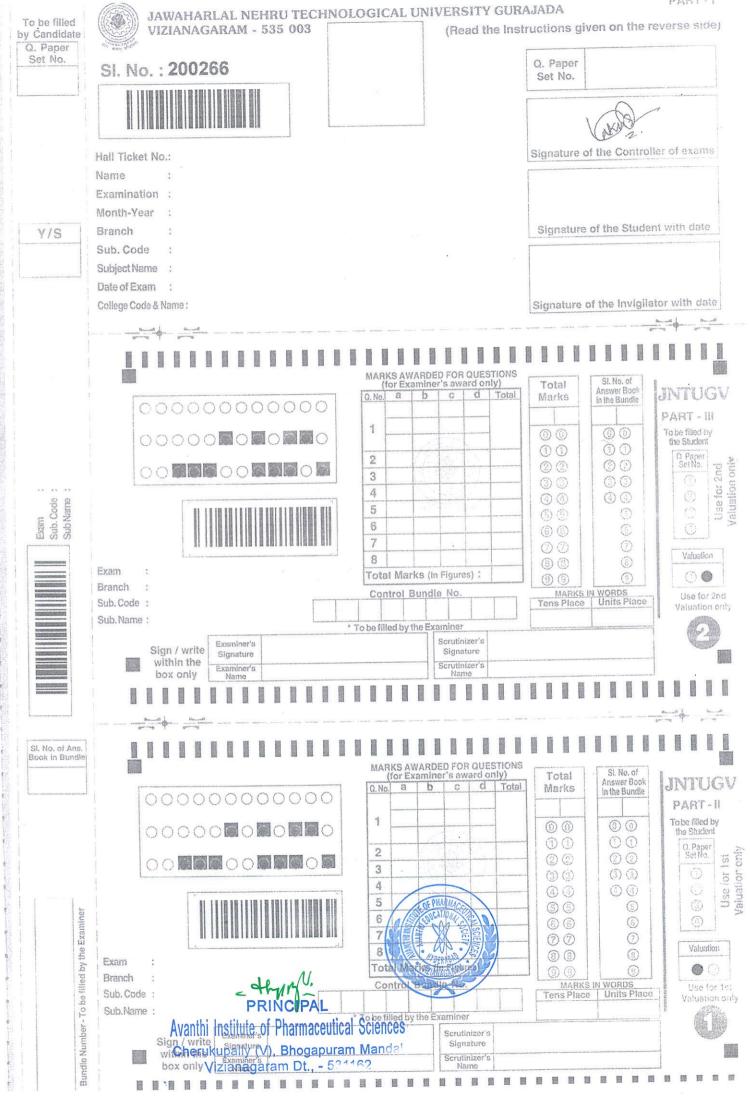
DATE: 04-05-2023

NOTE : For any queries mail to ce@jntugv.edu.in on or before 05.05.2023 [05:00 PM]









			JAWAHARI	LAL NEHRU TEO	CHNOLOGI	CAL UNIVERSITY : KAKINADA					
	LIS	ST OF SUBJECT EXPERTS	FOR SPOT VALUATI	ON OF PHARM	D 3,4 & 5 YI	EARS REGULAR/SUPPLEMENTARY	EXAM	INATI	ONS, June/July	- 2022	
						I(A9), EAST GODAVARI DISTRICT, V					
SI. No	CC	Faculty Name	Designation	Qualification	Sub Code	Sub Name	Total Exp	Sub Exp	Contact	Dist	Spot Center
1	AC	DR. G VASANTHA	ASSOC PROFESSOR	PH.D	T3101	PHARMACOLOGY-II	10	10	9959521226	VSP	A9
2	3H	JOKA MANIKANTA SRUTHI	ASST PROFESSOR	M.PHARMACY	T3101	PHARMACOLOGY-II	4	4	8179764779	EG	A9
3	AC	MR. KRVS CHAITANYA	ASST PROFESSOR	M.PHARMACY	T3101	PHARMACOLOGY-II	8	8	9398167891	VSP	A9
4	PK	MRS P.SIVALALITHA	ASST PROFESSOR	M.PHARMACY	T3102	PHARMACEUTICAL ANALYSIS	5	4	7989216964	VSP	A9
5	3H .	N DIVYA	ASSOC PROFESSOR	M.PHARMACY	T3102	PHARMACEUTICAL ANALYSIS	10	10	7660003187	EG	A9
6	3M	Smt.P.SUNEETHA	ASSOC PROFESSOR	M.PHARMACY	T3102	PHARMACEUTICAL ANALYSIS	11	7	9949729399	EG	A9
7	РК	MR.G.UMA SANKAR	ASST PROFESSOR	M.PHARMACY	T3103	PHARMACOTHERAPEUTICS-II	7	4	8500444400	VSP	A9
8	3H	DR P VINEELA	ASST PROFESSOR	M.PHARMACY	T3103	PHARMACOTHERAPEUTICS-II	7	7	9177484206	EG	A9
9	3H	T.PRASANTHI	ASST PROFESSOR	M.PHARMACY	T3104	PHARMACEUTICAL JURISPRUDENCE	5	5	8639683523	EG	A9
10	AC	DR. K GANA MANJUSHA	ASSOC PROFESSOR	PH.D	T3104	PHARMACEUTICAL JURISPRUDENCE	11	11	9885574803	VSP	A9
11	РК	MRS M.BHAGYA SREE	ASST PROFESSOR	M.PHARMACY	T3104	PHARMACEUTICAL JURISPRUDENCE	7	5	7013884208	VSP	A9
12	ЗM	Smt.P.SUNEETHA	ASSOC PROFESSOR	M.PHARMACY	T3104	PHARMACEUTICAL JURISPRUDENCE	11	5	9949729399	EG	A9
13	3H	B N B VAIDEHI	ASSOC PROFESSOR	M.PHARMACY	T3105	MEDICINAL CHEMISTRY	11	11	9493747698	EG	A9
14	AC	DR.D. VASUDHA	ASSOC PROFESSOR	PH.D	T3105	MEDICINAL CHEMISTRY	13	13	9505060543	VSP	A9
15	PK	MS.K.SUVARNA	ASST PROFESSOR	M.PHARMACY	T3105	MEDICINAL CHEMISTRY	6	4	7416760496	VSP	A9
16	PK	MS.A.SUNEETHA DEVI	ASST PROFESSOR	M.PHARMACY	T3106	PHARMACEUTICAL FORMULATIONS	7	6	7989868959	VSP	A9
17	ЗH	K.VENKATESWARULU	ASSOC PROFESSOR	M.PHARMACY	T3106	PHARMACEUTICAL FORMULATIONS	11	11	8897993001	EG	A9
18	CR	K MALLESWARI	ASSOC PROFESSOR	M.PHARMACY	T4101	PHARMACOTHERAPEUTICS-III	12	8	8499038636	GTR	A9
·19	ЗM	DR.D.RAVI PRAKASH	ASSOC PROFESSOR	M.PHARMACY	T4101	PHARMACOTHERAPEUTICS-III	7	5	8555864888	ΈG	A9
20	3G	PYDIMALLA DEEPIKA	ASST PROFESSOR	M.PHARMACY	T4101	PHARMACOTHERAPEUTICS-III	3	3	8790983150	EG	A9
21	T5	V.UMA SHANKAR	ASSOC PROFESSOR	M.PHARMACY	T4102	HOSPITAL PHARMACY	10	10	9885498549	VZM	A9
22	PK	MRS.I. VASAVI	ASST PROFESSOR	M.PHARMACY	T4102	HOSPITAL PHARMACY	7	3	7989176399	VSP	A9
23	3G	DASARI NAGA SEN	ASST PROFESSOR	M.PHARMACY	T4102	HOSPITAL PHARMACY	5	5	8688704977	EG	A9
24	AC	DR. M. VINOD KUMAR	ASST PROFESSOR	M.PHARMACY	T4103	CLINICAL PHARMACY	9	9	7095197222	VSP	A9
25	7N	DR K. PURUSHOTHAMA REI	PROFESSOR	PH.D	T4103	CLINICAL PHARMACY	14	12	9618266403	KRI	A9
26	3G	MR. K PYDI RAJU	ASST PROFESSOR	M.PHARMACY	T4103	CLINICAL PHARMACY	5	5	9640004621	EG	A9
27	РК	DR.B.NAGAMANI	ASSOC PROFESSOR	PH.D	T4104	BIOSTATISTICS & RESEARCH METHOD	14	9	9985407591	VSP	A9
28	7N	MR. V. SRINIVAS	ASSOC PROFESSOR	M.PHILL	T4104	BIOSTATISTICS & RESEARCH METHOD	20	14	9182693079	KRI	A9
29	3M	DR.B.BHAVANI	PROFESSOR	PH.D	T4104	BIOSTATISTICS & RESEARCH METHOD	10	10	9640209296	EG	A9
30	3G	DR P S S SAIKIRAN	ASSOC PROFESSOR	PH.D	T4104	BIOSTATISTICS & RESEARCH METHOD	10	10	8106105372	EG	A9
31	3G	DR J ANU PRAVALLIKA	ASSOC PROFESSOR	PH.D	T4105	BIOPHARMACEUTICS & PHARMACOK	5	5	8790133898	EG	A9
32	AC	MR. P N MALLIKARJUN	ASSOC PROFESSOR	M.PHARMACY	T4105	BIOPHARMACEUTICS & PHARMACOK	16	16	9908056167	VSP	A9

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33	3M	DR.B.BHAVANI	PROFESSOR	PH.D	T4105	BIOPHARMACEUTICS & PHARMACOK	10	10	9640209296	EG	A9
34	PK	DR.B.NAGAMANI	ASSOC PROFESSOR	PH.D	T4105	BIOPHARMACEUTICS & PHARMACOK	14	9	9985407591	VSP	A9
35	AC	DR. G VASANTHA	ASSOC PROFESSOR	PH.D	T4106	CLINICAL TOXICOLOGY	10	10	9959521226	VSP	A9
36	DR	DR.D.JEEVAN MANI BABU	PROFESSOR	PH.D	T4106	CLINICAL TOXICOLOGY	15	10	7675969632	KRI	A9
37	3G	SAMIDALA NAGESWARA RA	ASSOC PROFESSOR	M.PHARMACY	T4106	CLINICAL TOXICOLOGY	12	12	7729995798	EG	A9
38	DR	DR.P.GIRISH BABU	ASST PROFESSOR	PH.D	T4111	PHARMACOTHERAPEUTICS I & II	3	3	8555931148	KRI	A9
39	3H	AMITH KUMAR	ASSOC PROFESSOR	M.PHARMACY	T5101	CLINICAL RESEARCH	10	10	8790592977	EG	A9
40	AC	MR. KRVS CHAITANYA	ASST PROFESSOR	M.PHARMACY	T5101	CLINICAL RESEARCH	8	8	9398167891	VSP	A9
41	3G	SAMIDALA NAGESWARA RA	ASSOC PROFESSOR	M.PHARMACY	T5101	CLINICAL RESEARCH	12	11	7729995798	EG	A9
42	3H	DR P VINEELA	ASST PROFESSOR	M.PHARMACY	T5102	PHARMACOEPIDEMIOLOGY AND PHA	7	7	9177484206	EG	A9
43	3H	AMITH KUMAR	ASSOC PROFESSOR	M.PHARMACY	T5102	PHARMACOEPIDEMIOLOGY AND PHA	10	10	8790592977	EG	A9
44	AC	DR. M. VINOD KUMAR	ASST PROFESSOR	M.PHARMACY	T5102	PHARMACOEPIDEMIOLOGY AND PHA	9	9	7095197222	VSP	A9
45	DR	SK AMEER PASHA	ASSOC PROFESSOR	M.PHARMACY	T5103	CLINICAL PHARMACOKINETICS & PHA	10	5	9866679467	KRI	A9
46	3G	DR P S S SAIKIRAN	ASSOC PROFESSOR	PH.D	T5103	CLINICAL PHARMACOKINETICS & PHA	10	10	8106105372	EG	A9
47	3H	DR P VINEELA	ASST PROFESSOR	M.PHARMACY	T5103	CLINICAL PHARMACOKINETICS & PHA	7	7	9177484206	EG	A9

In case of any further clarification, Valuers may contact Additional Controller of Examinations over phone number 0884 2300942(Office), or can reach through email: ace9.jntuk@gmail.com

Context a. Kelle

Controller of Examinations



Director of Evaluation

EXTERNAL LAB EXAMINATION ASSESSMENT



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM VIZIANAGARAM – 535 003, A.P. UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM

Dr.V.S.Vakula Asst. Professor, EEE Controller of Examination

Mobile No: +91 8374033499 Email: <u>ce@intugv.edu.in</u>

Date: 09-05-2023

NOTICE

All the Principals of affiliated colleges are hereby informed that the Laboratory external examinations, May-2023 for Pharma-D III & IV Years Regular/ Supplementary students are to be conducted from 25-05-2023 to 31-05-2023.

The reports/OMR sheets of the above exams are to be submitted in person to CE office on 01.06.2023 (Thursday) & 02.06.2023 (Friday).



Controller of Examinations Controller of Examinations JNTU Gurajada, Vizianagaram



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM EXTERNAL LAB EXAMINERS FOR PHARMA D - III & IV YEAR REGULAR & SUPPLEMENTARY EXAMINATIONS, MAY- 2023

SI No	CC	College Name	Dist	Examiner's CC
1	PK	Viswanadha Institute of Pharmaceutical Sciences	VSKP	AC
2	AC	Vignan Institute of Pharmaceutical Technology	VSKP	PK
3	15	Avanthi Institute of Pharmaceutical Sciences	VZM	and a second sec
4	HH	Gokul Pharmacy College	VZM	Τ5

Note:

Principals of affliated colleges are requested to make necessary arrangements to depute a senior staff member (who taught the lab subject in current semester) to act as External Examiner for Pharma D - III & IV Year Regular & Supplementary Examinations, May- 2023 from 25-05-2023 to 31-05-2023.

Date: 09-05-2023

er of Examinations Control Controller of Examinations JNTU Gurajada, Vizianagaram



	III Pharm D F	External Lab Examination PC	CI (R8), February 2023	
	Subject: Medicinal C	Chemistry	Branch: Pharm D	
	Time: 180 min	Max.Marks: 70 M	Date of exam: 28/01/2	023
Ι.	Synopsis			(15 M)

- 1. Write the principle involved in the synthesis of 7-Hydroxy-4-methyl Coumarin.
- 2. Write the synthesis and MOA of 5-Fluoro Uracil.

II. Major Experiment

I. Synopsis

ESTD : 2005

Prepare and submit Benzimidazole from O- Phenylene diamine and report

its percentage yield.

III. **Minor Experiment**

> Perform the assay of Acetyl Salicylic acid tablets and report its percentage purity

IV. Viva - voce - Record

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Signature of the faculty

(25 M)

(15 M)

(15 M)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA, VIZIANAGARAM VIZIANAGARAM - 535 003, ANDHRA PRADESH, INDIA

UNIVERSITY END EXAMINATIONS : MAIN ANSWER BOOK

	Semester : Reg/Supply	Hallticket Number				
Exam : Year	Semester . Regisuppiy					
Month & Year :		Marks				
Branch :		Awarded				
Name of the Laboratory :	· · · · · · · · · · · · · · · · · · ·					

Signature of the Examiner-1

Signature of the Examiner-2



PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

EXTERNAL PROJECT ASSESSMENT



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM VIZIANAGARAM – 535 003, A.P. UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM

Dr.V.S.Vakula Asst. Professor, EEE Controller of Examination

Mobile No: +91 8374033499 Email: ce@jntugv.edu.in

Date: 26-05-2023

NOTICE

All the Principals of affiliated colleges are hereby informed that the Viva Voce examinations for Pharma-D V-Year Regular/ Supplementary, May-2023 students are to be conducted from **30-05-2023 to 03-06-2023**.

The reports/OMR sheets of the above exams are to be submitted in person to CE office on 05.06.2023 (Monday) & 06.06.2023 (Tuesday).

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



Control f Examinations (i/c)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM PHARM D -V YEAR (PCI REGULATIONS) PROJECT PANEL, MAY – 2023

S.No	CC	College Name	Clerkship (T5104)	Project Work (T5105)
01	Т5	Avanthi Institute of Pharmaceutical Sciences	Name: Dr K Daniel Raju Designation: Associate Professor Qualification: Ph.D Mobile No: 9642194419 Email: drdaniel.vignan@gmail.com College Name: Vignan Inst of Pharmaceutical Technology Teaching Experience:10 years	Name: Dr K Daniel Raju Designation: Associate Professor Qualification: Ph.D Mobile No: 9642194419 Email: drdaniel.vignan@gmail.com College Name: Vignan Inst of Pharmaceutical Technology Teaching Experience:10 years

Controller of Examinations



Guidelines for pharm D Project work

- To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth-year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
- 2. Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.

1. Objectives of project work.

The main objectives of the project work is to:

- i. Show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
- ii. Develop the students in data collection, analysis and reporting and interpretation skills.

2.Methodology:

- i. To complete the project work following methodology shall be adopted, namely: students shall work in groups of not less than two and not more than four under an authorized teacher;
- ii. Project topic shall be approved by the Head of the Department or Head of the Institution;
- Project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilization reviews, pharmacoepidemiology, pharmacovigilance or Pharmacoeconomics;
- iv. project work shall be approved by the institutional ethics committee;
- v. Student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and

vi. Two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

3.Reporting:

- I. Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorized teacher, Head of the Department as well as by the Head of the Institution
- II. Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-tiles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorized teacher with font size 14.

III. Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.

4.Evaluation: (external)

The following methodology shall be adopted for evaluating the project work:

- i. Project work shall be evaluated by external examiner.
- ii. Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).
- iii. Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.
- iv. Evaluation shall be done on the following items.



S No	Name of the subject	Maximum	marks for T	heory		ım marks fo acticals	or
	Project	Examination	Sessional	Total	Examination	Sessional	Total
1.	work (Six Months)		-	-	100**	-	100

Scheme of Project Evaluation

** 30 marks – viva-voce (oral) & 70 marks – Thesis work

S No	Viva – Voce(oral)	Marks
1.	Write up of the seminar	(7.5)
2.	Presentation of work	(7.5)
3.	Communication skills	(7.5)
4.	Question and answer skills	(7.5)
	Total marks	30 marks

S No	Thesis work	Marks
1.	Write up of the seminar	(17.5)
2.	Presentation of work	(17.5)
3.	Communication skills	(17.5)
4.	Question and answer skills	. (17.5)
	Total marks	* 70 marks

"COMPARISON OF EFFICACY AND SAFETY IN PLATELET RICH PLASMA THERAPY VERSUS CORTICOSTEROID INJECTION IN ORTHOPAEDIC PATIENTS ATTENDING IN A TERITIARY CARE TEACHING HOSPITAL: A PROSPECTIVE OBSERVATIONAL STUDY"

A project report submitted to



JNTUGV, GURAJADA VIZIANAGARAM, A.P.,

In partial fulfillment of the regulations for the Award of Degree of

DOCTOR OF PHARMACY

Submitted by

BONELA. MEGHANA – [18T51T0006] PEER. MAHAMOODHA – [18T51T0020] RALLAPALLI. PYDI VENKATA SATYA SAI PRASANTH – [18T51T0021] VENIGALLA. SRINIVASA RAO – [21T51T0101]

Under the guidance of

Dr. B Manoj Kumar, Pharm. D (Ph.D), PDCR, PCPV Head of Department, Associate Professor, Department of Pharmacy Practice



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

CHERUKUPALLY (V), BHOGAPURAM (M), VIZIANAGARAM (DIST), A.P-531162.

2022-2023



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Approved by PCI, AICTE, Recognized by the Govt. of A.P. & Affiliated to JNTU, Kakinada)

Cherukupally Village, Chittivalasa (SO), Bhogapuram(Md), Vizianagaram Dist. - 531 162. Administrative Office : Beside PEN SCHOOL, Dabagardens, Visakhapatnam - 530 020 (A.P.) web : www.avanthienggcollege.org. e-mail : info@avanthienggcollege.org C : 08933 226262
 08933-226739
 09866664637
 Fax : 08933 226739
 C 0891-2748231
 5567320
 Fax : 0891-5567321

ENDORSEMENT BY THE PRINCIPAL

This is to certify that the dissertation entitled "COMPARISON OF EFFICACY AND SAFETY IN PLATELET RICH PLAMSA THERAPY VERSUS CORTICOSTERIOD INJECTION IN ORTHOPAEDIC PATIENTS ATTENDING IN A TERITIARY CARE TEACHING HOSPITAL : A PROSPECTIVE OBSERVATIONAL STUDY" is a Bonafide research work done by B. Meghana [18T51T0006], P. Mahamoodha [18T51T0020], R.P.V.S.S.Prasanth [18T51T0021], V. Srinivasa Rao [21T51T0101] under the guidance of Associate Prof. Dr. B Manoj Kumar, Doctor of Pharmacy, Avanthi Institute of Pharmaceutical Sciences, Cherukupally (V), Chittivalasa (P. O), Bhogapuram (M), Vizianagaram (Dt.)-531162, A.P

Date: Place: Cherukupally.

rincipal Pharmaceutical Scien Raju PEHETDINALASA S.A.O Bhogapuram (M), Vizianaoaram Dir Avanthi Institute of Pharmaceutical Sciences



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 08933-226739
 09866664637
 Fax: 08933 226739
 22: 0891-2748231
 5567320
 Fax: 0891-5567321

<u>CERTIFICATE BY THE GUIDE</u>

This is to certify that this thesis entitled "COMPARISON OF EFFICACY AND SAFETY IN PLATELET RICH PLASMA THERAPY VERSUS CORTICOSTERIOD INJECTION IN ORTHOPAEDIC PATIENTS ATTENDING IN A TERITIARY CARE TEACHING HOSPITAL : A PROSPECTIVE OBSERVATIONAL STUDY" is a bonafide research work done by B. Meghana [18T51T0006], P. Mahamoodha [18T51T0020], R.P.V.S.S.Prasanth [18T51T0021], V. Srinivasa Rao [21T51T0101] under my supervision and guidance in partial fulfillment of Doctor of Phramacy, Avanthi Institute of Pharmaceutical Sciences, Cherukupally (V), Chittivalasa (P. O), Bhogapuram (M), Vizianagaram (Dt.) - 531162, A.P

Date: Place: Cherukupally.

K. Horgen

Dr. B Manoj Kumar, PharmD (PhD) Department of Pharmacy Practice

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Cherukupally Village, Chittivalasa (SO), Bhogapuram(Md), Vizianagaram Dist 531 162. Administrative Office : Beside PEN SCHOOL, Dabagardens, Visakhapatnam - 530 020 (A.P.) web : www.avanthienggcollege.org. e-mail : info@avanthienggcollege.org	2 0891-2748231 5567320 Fax : 0891-5567321	3

DECLARATION BY THE CANDIDATE

We hereby declared that the work entitled "COMPARISON OF EFFICACY AND SAFETY IN PLATELET RICH PLASMA THERAPY VERSUS CORTICOSTERIOD INJECTION IN ORTHOPAEDIC PATIENTS ATTENDING IN A TERITIARY CARE TEACHING HOSPITAL: A PROSPECTIVE OBSERVATIONAL STUDY" was carried out by us in Avanthi Institute of Pharmaceutical Sciences affiliated to Jawaharlal Nehru Technological Sciences University Gurajada, Vizianagaram, under the guidance of Dr .B Manoj Kumar, Department of Pharmacy Practice, Avanthi Institute of Pharmaceutical Sciences. The plan and results obtained in this project are original and it is not been submitted in any degree or diploma courses of this or any other university.

Date:

Place: Cherukupally

B. Meghana B. Meghana P. Mahamoodha R.P.V.S.S. Prasanth V. Srinivasa Rao

ACKNOWLEDGEMENT

We take this opportunity to express our profound gratitude towards our chairman sir M. SRINIVASA RAO, Avanthi group of Institutions for providing inspiration, patronizing affectionate guidance and moral support during our Pharm D course. Our sincere regards to our management and Principal of Avanthi Institute of Pharmaceutical Sciences "Mr. M. B. VENKATAPATHI RAJU", for his active support and making facilities available for our project group and for their constant encouragement regarding completion of work.

We express our gratefulness towards our guide "**Dr. B Manoj Kumar**, Pharm.D (Ph.D.)" who's excellent guidance and dedicated efforts made us think upon and understand a number of problems and solve them sincerely, her keen interest and encouragement serves as a constant support and inspiration during the course of the entire project.

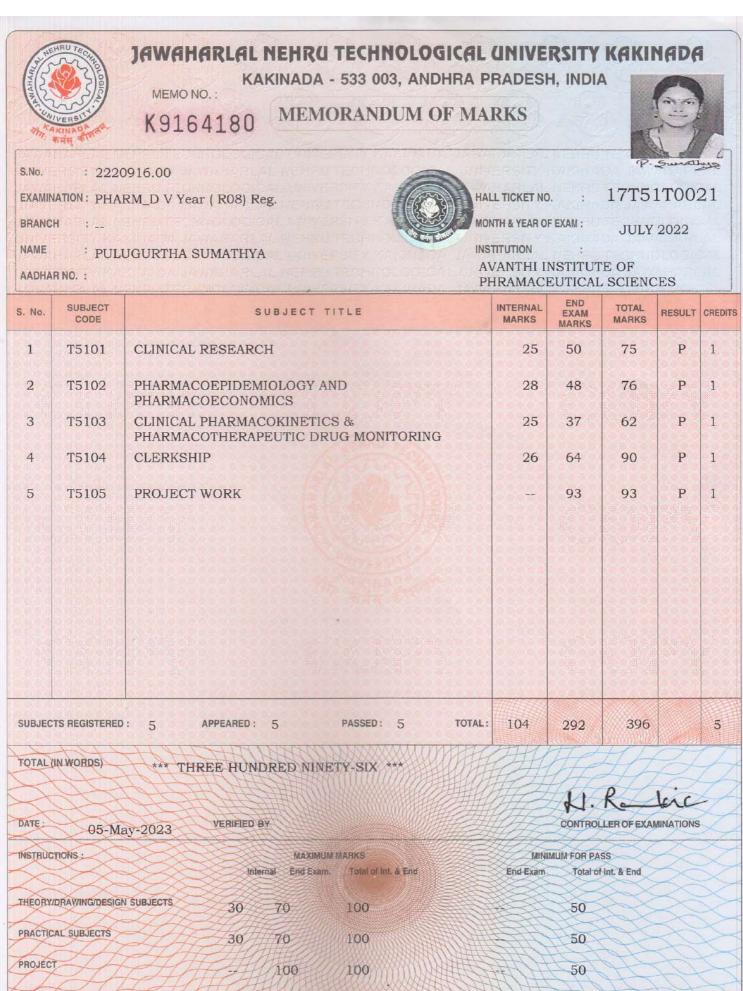
The guidance and support received from all the members who contributed to this study was vital for the completion of this study. We are grateful to all of them for their constant support and guidance either directly or indirectly towards completion of our study.

Sincere thanks to all Pharmacy Practice Department Faculty

Date:

Place: Cherukupally

B. MeghanaP. MahamoodhaR.P.V.S.S. PrasanthV. Srinivas Rao



AB : Absent

SEMINAR

MINI PROJECT

P: Pass

: Pass

Note : Any discrepancy must be represented within 15 days from the date mentioned above.

F: Fail

* Medium of Instruction and Examinations in English

50295

EXTERNAL GRIEVANCES



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List of External Grievances During the academic year -2022-2023

The Examination cell is responsible for addressing any grievances pertaining to End examinations. If necessary, the cell promptly sends a letter to the university. The University then takes immediate action based on the nature of the grievance. In case a student is dissatisfied with the marks awarded to them in the End examination, they have the option to choose Revaluation, Recounting, or Challenge evaluation by paying the required fee to the university. If students opt for re-evaluation or rechecking of their answer scripts, they must submit the same to the university for necessary action. Therefore, the college has implemented a transparent, time-bound, and efficient mechanism. The Examination cell handles grievances related to errors in certificates by raising the matter with the university. The following list provides the number of students who have applied for Revaluation/Recounting and the number of students whose marks have been changed for the academic year **2022-2023**.

The total number of external grievances regarding Recounting/Re-Evaluation, Modification in Certificates during the academic year 2022-2023 is Nil.

The total number of external grievances regarding Recounting/Re-Evaluation, Modification in Certificates during the academic year 2021-2022 was 09.





Date:18-01-2022

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Revaluation/Recounting Results for Pharm D III Year Examinations August-2021 College: AVANTHI INSTITUTE OF PHRAMACEUTICAL SCIENCES, BHOGAPURAM (P):T5

Htno	Subcode	Subname	INTERNAL	EXTERNAL	credits
18T51T0023	T3103	PHARMACOTHERAPEUTICS-II		No Change	

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Controller of Examinations



PRINCIPAL



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Revaluation/Recounting Results for Pharm D IV Year Examinations August-2021 College: AVANTHI INSTITUTE OF PHRAMACEUTICAL SCIENCES, BHOGAPURAM (P):T5

Htno	Subcode	Subname	INTERNAL	EXTERNAL	credits
17T51T0002	T4103	CLINICAL PHARMACY	25	32	1
17T51T0017	T4103	CLINICAL PHARMACY	24	31	1
17T51T0022	T4103	CLINICAL PHARMACY	22	32	1

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Date:18-01-2022

Controller of Examinations





JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Revaluation/Recounting Results for Pharm D II Year Examinations August-2021 College: AVANTHI INSTITUTE OF PHRAMACEUTICAL SCIENCES, BHOGAPURAM (P):T5

Htno	Subcode	Subname	INTERNAL	EXTERNAL	credits
17T51T0012	T2103	PHARMACOGNOSY & PHYTOPHARMACEUTICALS		No Change	
17T51T0012	T2105	COMMUNITY PHARMACY		No Change	
18T51T0001	T2105	COMMUNITY PHARMACY		No Change	
18T51T0001	T2106	PHARMACOTHERAPEUTICS-I	28	25	1
19T51T0015	T2101	PATHOPHYSIOLOGY		No Change	

Date:18-01-2022

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Controller of Examinations



Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

INTERNAL GRIEVANCES



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List of Internal Grievances During the academic year -2022-2023

S No	Name of the Issue /Grievances	Date of issue raised	Date of issue solved
1.	Seeking permission for ID Card	07/02/2023	07/02/2023
2.	Seeking permission for mid examination	03/04/2023	03/04/2023
3.	Seeking permission for transport for exam center	07/05/2023	07/05/2023
4.	Re-issuing of hall ticket	08/5/2023	08/05/2023
5.	Seeking permission for ID Card	29/05/2023	29/05/2023
6.	Seeking permission for transport for exam center	20/07/2023	20/07/2023



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Avanthi Institute of Pharmaceutical Sciences

Vizayanagoram. Date: - 29-05-2023

To, The Principal Sir, Availtie Institute of Pharmaceutical Sciences, Chernkupally. Subject : Seeking Berminion for ID Card. Iam N. Rishilha studying pharm. D 2nd year bearing Kerpected Sir. roll no: 2175170018 · I Would like to inform you that us. I have forgellen my ID Card at home. So, I request you to allow me for the Extremal Exam. Thanking You, Jours Obe diently. N. Ruhilha, 2175170018 PRINC Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Vizay anagaram. Date: 7-05-2023

The Principal Sir, Avanthi Institue of pharmacoutical sciences, Cherukupally.

Subject's Seeking permission for transport.

Respected Sir,

To,

D K. Soi lavarya studing 3rd pharm D beaxing roll no: 20TEIT0020. I would like to inform you that we are arriting semester and Examination in other colleges. As it is too far from our home town, there is no other alternative for us to reach the centre. So I request you to provide the fransportation during Exams time.

Thanking You. Yours obediently PRINCIPAL Avanthi Institute of Pharmaceutical Science K. Sai aranya. Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

08-05-2023, Cherukupally.

Τò,

The Principal,

Avanthi Institute of phasmaceutical Sciences, Cherukupally.

sub: Reissuing of HallTicket.

Respected Sir,

I S. Sonika Sruthi persueing pharmid, 4th year. (19751TODI7). I Would Like to inform you lhat beasing the my hallticket was missing due to I has not allowed for I hope my poroblem would be considered and seince Examination. my Hallticket. And, Hope lhat I Would be allowed for Examination.

Thanking You,



Yours Obediently, S. Sonika Sruthi, 1975170017

Vizianagaram Date: 09.02.2023

To

The phincipal sir,

Avanthi institute of pharmaceutical sciences,

Chesukupally.

Subject: Seeking penmission for ID card. Respected str,

I am G. Varshini studying pharm-D 3rd year bearing rollino: DOT51TODIO. I would like to inform you that I have forgotten my ID card at home. So, I nequest you to allow me for the external exam.

Thanking you,

yours Obediently, G. Varshini, 2015170010.

ICIPAL



VIJAYANAGARAM, Dole: 20107/2023

Tø,

The Principal sir,

Avanthi Institute of Pharmareoutrical sciences, cherukupally.

subject: seeking Permission for transport. Respected sir,

I am CH. Sahruday studying 2nd Pharm D bearing told no. 2175170007. I would like to inform you that we are writing semester Examination in other collage. Is it is too for from our home, there is no alternative for us to reach the center. so I Requise you to provide the transportion during exams time.

Thanking you, Vocus obridiently (H. Sohruday



PRINCIPAL Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

Vizianagasham Dl: 3/4/23

To

The poincipal, Avanthi Institute of Pharmaceutical sciences, Vizianagaram

Subi- Asking permission for mid examination. Respected sign. I. N-Abhishek studying 1st phonm D of Roll-No 22T6IT0018. I would like to inform you that due to some transport problem iam unable to attend for mid examp . I request you to allow to write examination. I hope my problem will be presolved

Thanking You

your's obidizently

N. Alchishek.

22751 TOO18 phonm 1st Year



RINCIPAL