



**ARKA JAIN  
University**  
Jharkhand

## **SCHOOL OF PHARMACY CIRCULAR**

**No: AJU/SOHAS/015/23**

**Date 18.01.2023**

It is hereby notified to the students of B. Pharm 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> Semester that they need to submit their assignments on or before 5<sup>th</sup> May 2023 through offline as well as ERP. Students need to submit evaluated scanned copy of the assignment through the class representative to the subject teacher. Subject teacher need to submit the same to the class coordinator. ERP coordinator and ERP in-charge will take care for the smooth functioning of the process. Class Coordinator will handover the hard copy along with course file to the Examination In-charge Mr. Alok K Moharana and and soft copy to the Dean of School of Pharmacy. All subject teachers need to keep the soft copy with themselves as standby.

Dean

School of Pharmacy

Dean ARKA JAIN University Jharkhand

**School of Pharmacy**

**Copy to**

Class Coordinators

ERP In-charge

ERP-Coordinator

In-charge Website

Office file

Student Whatsapp group



Semester	Subject	Assignment 1	Assignment 2
ii	Human Anatomy and Physiology II	Discuss in details about digestion and absorption of carbohydrates, Proteins & Fat.	Define hormone. Write mechanism of hormone action, structure and functions of pituitary gland, thyroid gland, adrenal gland and pancreas.
ii	Pharmaceutical Organic Chemistry I	Structural Isomerism	Types of Organic reaction
ii	Biochemistry	Glycolysis and Krebs cycle	Lipid metabolism
ii	Pathophysiology	Define Inflammation. Write clinical signs of inflammation, Different types of Inflammation, Mechanism of Inflammation.	Define hypertension. Write etiology, pathogenesis, sign & symptom and management of hypertension.
ii	Computer Applications in Pharmacy	Prepare a Questionnaire in MS word to gather information related to a disease	Create a Webpage in HTML to display the basic information related to your University.
ii	Environmental sciences	Discuss in details about Forest Ecosystem.	Discuss in details about the devices used in air pollution
iv	Pharmaceutical Organic Chemistry III	E & Z configuration	Geometric isomers
iv	Medicinal Chemistry I	Physiochemical factors affecting drug action	Drug metabolism
iv	Physical Pharmaceutics II	Non Newtonian Flow	Optical and Electrical Property of Colloid
iv	Pharmacology I	Discuss in details about G-protein-coupled receptor.	Write M.O.A of drugs used in Alzheimer's disease.
iv	Pharmacognosy and Phytochemistry I	Cultivation of crude drugs	Alternative Medicine System
vi	Medicinal Chemistry III	$\beta$ -Lactam antibiotics.	Synthetic Anti-fungal Drugs.
vi	Pharmacology III	Define Bronchial Asthma. Write classification & M.O.A of Bronchodilators.	Write M.O.A of Cotrimoxazole, Fluoroquinolins, Penicillins, Tetracycline, Streptomycin & Chloramphenicol.
vi	Herbal Drug Technology	Nutraceuticals – An Overview	Importance of Patenting and Regulatory requirements of



			natural products
vi	Biopharmaceutics and Pharmacokinetics	Factors influencing drug absorption through GIT	<i>In vitro</i> drug dissolution models and IVIVC
vi	Pharmaceutical Biotechnology	Recombinant vaccine	Role of microorganisms in the production of different pharmaceutical products
vi	Quality Assurance	Purchase specifications of raw materials	ICH Guide lines
viii	Biostatistics and Research Methodology		
viii	Social and preventive pharmacy	Concept of disease with primitive medicine	National health care survey for TB patients
viii	Cosmetic Science	Role of herbs in cosmetics	Principles of Cosmetic Evaluation
viii	Pharmacovigilance	Basic terminologies used in pharmacovigilance.	Vaccine safety surveillance.

