



ARYA College of Pharmacy

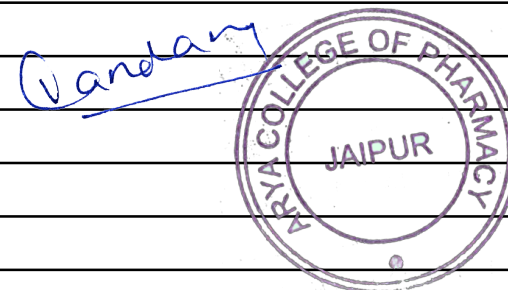
(Affiliated to RUHS, Jaipur • Approved by PCI, AICTE, New Delhi)

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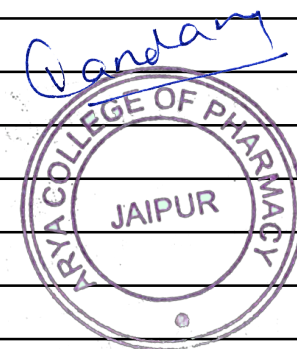
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D.PHARMA I YEAR

COURSE CODE/COURSE TITLE		COURSE OUTCOME
Course Code: ER20-11T PHARMACEUTICS	CO1	Describe about the different dosage forms and their formulation aspects
	CO2	appreciate Formulation, dispensing and labelling of the dosage form
	CO3	describe Calculation of working formula from the official master formula
	CO4	Perform the basic quality control tests for the common dosage forms
	CO5	Explain the importance, advantages, disadvantages of quality assurance and good manufacturing practices for different dosage forms
Course Code: ER20-12T PHARMACEUTICAL CHEMISTRY	CO1	Explain chemical class, structure and chemical name of the commonly used drugs and pharmaceuticals (organic and inorganic nature)
	CO2	Discuss the pharmacological uses, dosage regimen, stability issues and storage conditions of all such chemical substances commonly used as drugs
	CO3	Describe the quantitative and qualitative analysis, impurity testing of the chemical substances given in the official monographs
	CO4	Identify the dosage form & the brand names of the drugs and pharmaceuticals popular in the marketplace
	CO5	know mechanism of action and uses of drugs under various clinical categories
Course Code: ER20-13T PHARMACOGNOSY	CO1	Identify the important/common crude drugs of natural origin
	CO2	Describe the uses of herbs in nutraceuticals and cosmeceuticals
	CO3	Discuss the principles of alternative system of medicines
	CO4	Describe the importance of quality control of drugs of natural origin
	CO5	know Applications of herbs in health foods and cosmetics
Course Code: ER20-14T HUMAN ANATOMY AND PHYSIOLOGY	CO1	Describe Structure and functions of the various organ systems and organs of the human body
	CO2	Discuss the anatomical features of the important human organs and tissues
	CO3	Explain the homeostatic mechanisms regulating the normal physiology in the human system
	CO4	Discuss the significance of various vital physiological parameters of the human body
	CO5	Discuss the significance of various anatomical and physiological characteristics of the human body



Course Code: ER20-15T SOCIAL PHARMACY	CO1	Discuss about roles of pharmacists in the various national health programs
	CO2	Describe various sources of health hazards and disease preventive measures
	CO3	Discuss the healthcare issues associated with food and nutritional substances
	CO4	Describe the general roles and responsibilities of pharmacists in public health
	CO5	educate public and health care professionals in Health education and health promotion
D.PHARMA II YEAR		
COURSE CODE/COURSE TITLE		COURSE OUTCOME
Course Code: ER20-21T PHARMACOLOGY	CO1	Describe General concepts of pharmacology including pharmacokinetics, pharmacodynamics, routes of administration, etc.
	CO2	know Pharmacological classification and indications of drugs
	CO3	know Dosage regimen, mechanisms of action, contraindications of drugs
	CO4	report Common adverse effects of drugs
	CO5	know Definition, types, and indications of biological agents
Course Code: ER20-22T COMMUNITY PHARMACY AND MANAGEMENT	CO1	Describe the establishment, legal requirements, and effective administration of a community pharmacy
	CO2	Professionally handle prescriptions and dispense medications
	CO3	Design and prepare patient information leaflets
	CO4	Counsel patients about the disease, prescription and or non-prescription medicines
	CO5	Perform basic health screening on patients and interpret the reports in the community pharmacy settings
Course Code: ER20-23T BIOCHEMISTRY & CLINICAL PATHOLOGY	CO1	Describe the functions of biomolecules
	CO2	Discuss the various functions of enzymes in the human system
	CO3	Explain the metabolic pathways of biomolecules in both physiological and pathological conditions
	CO4	Describe the principles of organ function tests and their clinical significances
	CO5	Determine the biomolecules / metabolites in the given biological samples, both qualitatively and quantitatively
Course Code: ER20-24T PHARMACOTHERAPE UTICS	CO1	Help assessing the subjective and objective parameters of patients in common disease conditions
	CO2	Assist other healthcare providers to analyse drug related problems and provide therapeutic interventions
	CO3	Participate in planning the rational medicine therapy for common diseases
	CO4	Design and deliver discharge counselling for patients



	CO5	know Basic methods for assessing the clinical outcomes of drug therapy
Course Code: ER20-25T HOSPITAL AND CLINICAL PHARMACY	CO1	Explain about the basic concepts of hospital pharmacy administration
	CO2	Manage the supply chain and distribution of medicines within the hospital settings
	CO3	Assist the other healthcare providers in monitoring drug therapy and address drug related problems
	CO4	Interpret common lab investigation reports for optimizing drug therapy
	CO5	know Basics of clinical pharmacy including introduction to comprehensive pharmaceutical care services
Course Code: ER20-26T PHARMACY LAW AND ETHICS	CO1	Describe the history and evolution of pharmacy law in India
	CO2	Interpret the act and rules regulating the profession and practice of pharmacy in India
	CO3	Discuss the various codes of ethics related to practice standards in pharmacy
	CO4	Interpret the fundamentals of patent laws from the perspectives of pharmacy
	CO5	appreciate Good Regulatory practices in Community Pharmacy, BCS system of classification, CEAR, BWM Retc.

