

Dr. K..Prabhu

DIRECTOR

**HISTORY,SCOPE OF PHARMACY;
PHARMACY EDUCATION IN; INDIA AND WORLD;
PHARMACEUTICAL SCIENCES,COURSES,DPTS;
INDUSRY AND PRACTICE
CLINICAL PHARMACY
JOB OPPORTUNITIES;
TEACHING LEARNING TECHNIQUES;
MEDIUM OF LANGUAGE;
BRANCHES OF PHARMACY;SPECIALITIES
PCI,AICTE,BTE;
APOTHECARY;
DRUG;DISEASE;
SOURCES OF MEDICINE;
DRUG SYNTHESIS
SEMI SYNTHESIS
METABOLITES
PLANTS VS ANIMALS
MARINE PHARMACOGNOSY
PROFESSION IN INDIA;**

Dr. Mohd. Fahim

PROFESSOR

**PHARMACOGONOSY;
BIOLOGY;BOTANY; BIOTECHNOLOGY;
HISO CHEMICAL STUDY;
SOURCE; FAMILY; GENUS; SPECIES;
MACROSCOPY, MICROSCOPY; ORGANOLEPTIC, MICROSCOPE;
CAMERA LUCIDA;EYE PIES AND STAGE MICROMETER
UALITATIVE; QUANTITATIVE ANALYSIS,
AYURVEDA, AROMATHERAPY
DRYING,POWDERING, TISSUES, CELL;
ORGANIZED AND UN ORGANIZED DRUGS,
HERBARIUM; PRIMARY SECONDARY METABOLITES,
PHOTO SYNTHESIS; PLANT ANATOMY,MORPHOLOGY OF DIFFERENT PARTS OF
PLANTS
PLANTS LEAF, STEM, ROOTS, SEED, BARK, FRUITS
LIVING KINGDOM
INDIGENOUS SYSTEM OF MEDICINE;
DRUGS OF NATURAL ORIGIN;
GEOGRAPHICAL DISTRIBUTION,
ISOLATION, IDENTIFICATION TESTS,
THERAPEUTIC EFFECTS AND PHARMACEUTICAL APPLICATION;
PLANT GROWTH REGULATORS
SHIKIMIC ACID PATHWAY, ACETATE PATHWAYS AND AMINO ACID PATHWAY;
SPECTROSCOPY, CHROMATOGRAPHY AND ELECTROPHORESIS ;
NUTRACEUTICALS; HERBAL COSMETICS; E
VALUATION OF DRUGS WHO & ICH
UV VISIBLE SPECTROSCOPY.
FLUORIMETRY:
IR SPECTROSCOPY:
FLAME PHOTOMETRY-
CHROMATOGRAPHY: ADSORPTION AND PARTITION COLUMN
CHROMATOGRAPHY;ELECTROPHORESIS, GC ;HPLC;HPTLC;CCC;
WHO GUIDELINES FOR QUALITY CONTROL OF HERBAL DRU**

Mr. Vinay
Kumar Yadav

ASST.PROF.

FIVE KINGDOMS OF LIFE AND BASIS OF CLASSIFICATION.
INTRODUCTION TO PROKARYOTES AND EUKARYOTES.
MONERA, PROTISTA,
FUNGI, ANIMALIA AND PLANTAE,
VIRUS.
METABOLITES TYPE ;
SUGARS, GLYCOSIDES AND TYPES;
FLAVONOIDS;
STEROIDS; ALKALOIDS, TERPENOIDS, VOLATILE OILS,
TANNINS; PHENOLICS AND RESINS;
CARDIO TONICS; ANTIHYPERTENSIVE;
ANTI TUMOUR;
DIURETICS-;
ANTI DYSENTERICS;
ANTISEPTICS AND DISINFECTANTS;
ANTI MALARIALS;
OXYTOCICS; VITAMINS-
PERFUMES AND FLAVORING AGENTS;
PHARMACEUTICAL AIDS ;
GROSS ANATOMICAL STUDIES(T.S.);
FIBERS AND SURGICAL DRESSING;
ADULTERATION AND DRUG EVALUATION;
TISSUE CULTURE, WILD SOURCE,
MINERALS,
ANTIBIOTICS,
INFECTION; INFESTATION,
STORAGE, COLLECTION CULTIVATION OF DRUGS;
ALLOPATHY AND TRADITIONAL SYSTEMS OF MEDICINE
AYURVEDA, UNANI, SIDDHA, HOMEOPATHY AND CHINESE SYSTEMS OF
MEDICINE.

Mr. Sunil

Kumar

ASST.PROF.

CENTRAL NERVOUS SYSTEM AND PARTS

PHYSIOLOGY OF AUTOMATIC NERVOUS SYSTEM.

SENSORY ORGANS: TASTE, SMELL, EAR, EYE AND SKIN.

DIGESTIVE SYSTEM: NAMES OF VARIOUS PARTS OF DIGESTIVE SYSTEM

ENDOCRINE SYSTEM PITUITARY, THYROID. ADRENAL AND PANCREAS

REPRODUCTIVE SYSTEM; ENZYMES

HORMONES ;MOA, DRUG ADME,SIDE EFFECT, UNTOWARD,

TOXIC EFFECT

INCOMPATIBILITY,CONTRA INDICATION,

IDEOSYNCRASY,

RECEPTOR, GANGLION, SYNAPS; NEURO HORMONES, TRANSMITTER,

FEED BACK MECHANISM ;

PATHOLOGY, DRUGS, PRODRUG; ANTIDOTE; POISONING;

GASGANGRENE;SEPSIS;PAIN,INFLAMMATION

ANTIGEN;ANTIBODY;IMMUNITY.ALLERGY,FVER;SYMPTOMS;DISEASE,

PROPHYLAXIS,ANTIBIOTICS;

ANTIMICROBIALS,BROAD SPECTRUM ,NARROW SPECTRUM;

SYNERGISM;POTENTIATION;

INFLAMMATION;

CELL INJURY;MEMBRANE STABILIZING EFFECT;TRIPLE RESPONSE;

ANAESTHESIA;

HISTAMINE, 5-HT AND THEIR ANTAGONISTS. PROSTAGLANDINS,

THROMBOXANES AND LEUKOTRIENES.

ANGIOTENSIN, BRADYKININ AND SUBSTANCE P

STATISTICS, BIOSTATISTICS, FREQUENCY DISTRIBUTION.

T-TEST (SAMPLE, POOLED OR UNPAIRED AND PAIRED),

ANOVA, (ONE WAY AND TWO WAY),

LEAST SIGNIFICANCE DIFFERENCE.

**Indresh Kumar
Verma**

LECTURER

- ❖ **TERMS USED IN ANATOMY.**
- ❖ **STRUCTURE OF CELL**
- ❖ **MITOCHONDRIA**
- ❖ **AND MICROSOMES**
- ❖ **TRANSPORT ACROSS CELL MEMBRANE,**
- ❖ **CELL DIVISION,;**
- ❖ **ELEMENTARY TISSUES OF THE BODY,**
- ❖ **EPITHELIAL TISSUE,**
- ❖ **MUSCULAR TISSUE,**
- ❖ **CONNECTIVE TISSUE AND**
- ❖ **NERVOUS TISSUE;;**
- ❖ **NAMES OF BONES ;**
- ❖ **FUNCTION OF SKELTON.**
- ❖ **COMPOSITION OF BLOOD, BLOOD GROUP AND COAGULATION OF BLOOD.LYMPH GLANDS.**
- ❖ **STRUCTURE HEART .ARTERIAL AND VENOUS SYSTEM**
- ❖ **BLOOD PRESSURE AND ITS RECORDING.**
- ❖ **CARDIOVASCULAR DISORDERS.**
- ❖ **PHYSIOLOGY OF RESPIRATION.**
- ❖ **URINARY SYSTEM ;EDEMA.**
- ❖ **MUSCULAR SYSTEM:**
- ❖ **VITAMINS: ROLE OF VITAMINS AND COENZYMES.**
- ❖ **ROLE OF MINERALS AND WATER IN LIFE PROCESSES.**
- ❖ **ENZYMES: BRIEF CONCEPT OF ENZYMATIC ACTION.**
- ❖ **FACTORS AFFECTING IT. THERAPEUTICS:**
- ❖ **INTRODUCTION TO PATHOLOGY OF BLOOD AND URINE.**
- ❖ **LYMPHOCYTES AND PLATELETS, THEIR ROLE IN HEALTH AND DISEASE.**
- ❖ **ERYTHROCYTES-**
- ❖ **ABNORMAL CELLS AND THEIR SIGNIFICANCE.**
- ❖ **ABNORMAL CONSTITUENTS OF URINE AND THEIR SIGNIFICANCE IN DISEASES,.**

Shailesh
Kumar Gupta

ASSO.PROF

MATTERS;SOLID;LIQUID;SEMISOLIS;
COLLIGATIVE PROPERTY;
GAS LAW;ABSORPTION;ADSORPTION;
VISCOSITY;FLOW PROPERTIES;
NEWTONIAN,NON NEWTONIEN FLOW;
SURFACE TENSION;
SPECIFIC GRAVITY;
DENSITY;
FLOCCULATION;
KINETICS;
COMPARTMENT MODELS;ADME;
PROTEIN BINDING;
REGULATORY AFFAIRS;
QUALITY ASSURANCE;CONTROL;
GMP;GLP;
SOLUBILITY;
SUBLIMATION,
EUTECTIC MIXTURES;
REFRACTIVE INDEX,
OPTICAL ROTATION,
DIELECTRIC CONSTANT, DIPOLE MOMENT, DISSOCIATION CONSTANT,
SURFACE ACTIVE AGENTS, HLB SCALE,
INDIAN PHARMACOPOEIA;
SIZE REDUCTION;
SEDIMENTATION; USE OF ALLEGATION METHOD IN CALCULATIONS;
ISOTONIC SOLUTIONS;
FILTRATION;
CONTINUOUS HOT EXTRACTION;
STERILIZATION AND ITS DIFFERENCES FROM DISINFECTION;
DISINTEGRATION AND DISSOLUTION;

**MOHD
JULKENAIN**

ASST.PROF.

**HOSPITAL AND IT'S ORGANIZATION
COMMUNITY PHARMACY
THERAPEUTIC DRUG MONITORING
HOSPITAL FORMULARY
DRUG INFORMATION SERVICE
PATIENT COUNSELLING
OVER THE COUNTER (OTC) SALE
CONTROLLED DRUG DELIVERY SYSTEMS
TRANSDERMAL DRUG DELIVERY SYSTEMS:
TARGETED DRUG DELIVERY
OCULAR DRUG DELIVERY SYSTEMS
MUCOSAL DRUG DELIVERY SYSTEM
AROMATIC WATERS;
SOLUTIONS ;
SPIRITS ;
TINCTURE,
EXTRACTS,
CREAMS;
OSMETIC PREPARATIONS;
ELECTROLYTES;
QUALITY CONTROL;
INJECTION.
RADIO ACTIVITY;
PHYSIOLOGICAL ACID-BASE BALANCE
SOLUBILIZATION,
DETERGENCY;
PH,
BUFFERS AND ,SOTONIC SOLUTIONS**

<p>Mr. Arunesh Kumar</p>	<p>ASST.PROF.</p>	<p>PHARMACEUTICAL ENGINEERING ; FLOW OF FLUIDS: REYNOLDS NUMBER ; BERNOULLI'S THEOREM ; SIZE REDUCTION, HEAT TRANSFER.: FOURIER'S LAW, HEAT TRANSFER BY CONDUCTION, CONVECTION & RADIATION. DISTILLATION: DRYING; FREEZE DRYER. MIXING: EMULSIFIER. CENTRIFUGATION: COLLOIDS; SUSPENSION; MICROMERITICS: ZERO, PSEUDO-ZERO, FIRST & SECOND ORDER KINETICS; ACCELERATED STABILITY TESTING; (PKA, PH, PARTITION COEFFICIENT; PRE-FORMULATION STUDIES: STABILITY-HYDROLYSIS, OXIDATION, REDUCTION, RACEMIZATION, POLYMERIZATION; PARENTERAL PRODUCTS; AEROSOLS; CAPSULE TABLETS MONO,BIPHASIC DOSAGE FORMS QAND DEFINITIONS</p>
---------------------------------	--------------------------	---

Mr. Rakesh
Nishad

ASST.PROF.

DRUGS AND COSMETICS ACT, 1940 ;
SCHEDULE G, H, M, N, P, T, U, V, X, Y, PART XII B, SCH F & DMR (OA);
SCHEDULE C AND CI
SCHEDULE H
MAGIC REMEDY ACT
PREGNANCY TERMINATION ACT
PHARMACY ACT-1948;
NARCOTIC DRUGS AND PSYCHOTROPIC SUBSTANCES ACT-1985
PREVENTION OF CRUELTY TO ANIMALS ACT-1960;
INTELLECTUAL PROPERTY RIGHTS (IPR);
PHARMACOKINETICS: BIOAVAILABILITY AND BIOEQUIVALENCE:
IN-VITRO-IN-VIVO CORRELATIONS
ENZYME IMMOBILIZATION
RECOMBINANT DNA TECHNOLOGY
DNA AND RNA.
TYPES OF RNA.
TRANSCRIPTION AND TRANSLATION.
GENETICS.
RECEPTORS FOR CELL SIGNALS.
HYPERSENSITIVITY REACTIONS
ELISA
FERMENTATION;
CLINICAL RESEARCH PROTOCOLS,
CENTRAL DRUG STANDARD CONTROL ORGANIZATION (CDSCO)

Mr. Ajit Jha

ASST.PROF.

COMPUTERS; DIFFERENT GENERATION;
NUMBER SYSTEM;
CONCEPT OF INFORMATION SYSTEMS AND SOFTWARE;
HTML, XML, CSS AND PROGRAMMING LANGUAGES,
INTRODUCTION TO WEB SERVERS AND SERVER PRODUCTS. I
NTRODUCTION TO DATABASES, MYSQL, MS ACCESS,
PHARMACY DRUG DATABASE. APPLICATION OF COMPUTERS IN
PHARMACY
PATIENT MONITORING SYSTEM,
PHARMA INFORMATION SYSTEM;
BIOINFORMATICS;
COMPUTERS AS DATA ANALYSIS IN PRECLINICAL DEVELOPMENT:
CHROMATOGRAPHIC DATA ANALYSIS (CDS),
LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS) AND
TEXT INFORMATION MANAGEMENT SYSTEM (TIMS).
NATURAL RESOURCES.
RENEWABLE AND NON-RENEWABLE RESOURCES;
ECOSYSTEMS;
POLUTIONS

**Ms. Poonam
Kumari**

ASSO.ROF.

**ELECTRONS,PROTONS,NEUTRONS;ATOMS;
MOLECULE;BOND;
HYBRIDIZATION,
FORCES;VALENCY;SECONDARY VALENCY,
COMPLEXATION,LEGAND,DONAR;CARBONIUM IONS,
CLASSIFICATION OF ORGANIC COMPOUNDS,
COMMON AND IUPAC SYSTEMS OF NOMENCLATURE OF ORGANIC COMPOUNDS ;
STRUCTURAL ISOMERISM IN ORGANIC COMPOUNDS.
ALKANES*, ALKENES* AND CONJUGATED DIENES*
SP 3 HYBRIDIZATION IN ALKANES, HALOGENATION;
SP2 HYBRIDIZATION IN ALKENES.
E1 AND E2 REACTIONS – KINETICS, , REARRANGEMENT OF CARBOCATIONS,.
OZONOLYSIS,
ELECTROPHILIC ADDITION REACTIONS OF ALKENES;
CONJUGATED DIENES, DIEL-ALDER, ELECTROPHILIC ADDITION,
FREE RADICAL ADDITION ;
SN1 AND SN2 REACTIONS –
KINETICS, ORDER OF REACTIVITY OF ALKYL HALIDES,
STEREOCHEMISTRY AND REARRANGEMENT OF CARBOCATIONS.
SN1 VERSUS SN2 REACTIONS,
CARBONYL COMPOUNDS* (ALDEHYDES AND KETONES)
NUCLEOPHILIC ADDITION,
ELECTROMERIC EFFECT,
ALDOL CONDENSATION,
CANNIZZARO REACTION, BENZOIN CONDENSATION,
PERKIN CONDENSATION;
CARBOXYLIC ACIDS, AMIDE AND ESTER. BASICITY
STEREOCHEMISTRY,
OPTICAL ISOMER;
HETEROCYCLIC COMPOUNDS,
BENZENE,PHENOLS ;ALCOHOL,ACIDS.
SAR; DRUG DESIGN**

Mr. S. K.
Pandey

ASST.PROF.

DRUG MARKETING:

PHARMACEUTICAL MARKETING CHANNELS.

PROFESSIONAL SALES REPRESENTATIVE (PSR)

PRICING: DPCO (DRUG PRICE CONTROL ORDER) AND

NPPA (NATIONAL PHARMACEUTICAL PRICING AUTHORITY).

CLINICAL TRIAL;

REGISTRATION OF INDIAN DRUG PRODUCT IN OVERSEAS MARKET

PHARMACOVIGILANCE

ADVERSE DRUG REACTIONS:

PHARMACOVIGILANCE PROGRAM OF INDIA (PVPI).

ROLE OF HERBS IN COSMETICS:

SKIN CARE:.

HAIR CARE:.

ORAL CARE.

ANALYTICAL COSMETICS:

SHAMPOO, SKIN-CREAM AND TOOTHPAST

PROBLEMS ASSOCIATED WITH HAIR AND SCALP:

DANDRUFF, HAIR FALL CAUSES

COSMETIC PROBLEMS ASSOCIATED WITH SKIN: BLEMISHES, WRINKLES,
ACNE, PRICKLY HEAT AND BODY ODOUR

INTRODUCTION TO BIOCHEMISTRY.

ROLE OF PROTEINS, POLYPEPTIDES AND AMINO ACIDS, ;

TITRATION;

OXIDATION AND REDUCTION,

CERIMETRY, IODIMETRY, IODOMETRY, BROMOMETRY, DICHROMETRY

CONDUCTIVITY CELL,

CONDUCTOMETRIC TITRATIONS,

METHODS OF EXPRESSING CONCENTRATION;

PRIMARY AND SECONDARY STANDARDS;

PREPARATION AND STANDARDIZATION OF VARIOUS MOLAR AND

NORMAL SOLUTIONS;

STRONG, WEAK, AND VERY WEAK ACIDS AND BASES,

TYPES OF TITRATION

IMPURITIES IN PHARMACEUTICAL SUBSTANCES:

SOURCES AND TYPES OF IMPURITIES,

PRINCIPLE INVOLVED IN THE LIMIT TEST;

ACIDS, BASES AND BUFFERS:

BUFFER EQUATIONS AND BUFFER CAPACITY IN GENERAL,

BUFFERS IN PHARMACEUTICAL SYSTEMS

MAJOR EXTRA AND INTRACELLULAR ELECTROLYTES:

ORAL REHYDRATION SALT (ORS),

PHYSIOLOGICAL ACID BASE BALANCE.

DENTAL PRODUCTS:

DENTIFRICES

GASTROINTESTINAL AGENTS

ACIDIFIERS: ANTACIDS, CATHARTICS:.

ANTIMICROBIALS: EXPECTORANTS:

EMETICS: HEMATINICS:.

POISON AND ANTIDOTE:.

ACTIVATED CHARCOAL,ASTRINGENTS:

A, B, Γ RADIATIONS,

HALF-LIFE

<p>Miss Pooja Thakur</p>	<p>ASST.PROF.</p>	<p>PHYSIOLOGY OF MUSCLE CONTRACTION. NEUROMUSCULAR JUNCTION. INTRACELLULAR SIGNALING PATHWAY ACTIVATION; BIOLOGICAL VALUE, DEFICIENCY DISEASES. CARBOHYDRATES: CHEMISTRY AND ROLE OF CARBOHYDRATES, DISEASES RELATED TO CARBOHYDRATE METABOLISM. LIPIDS: QUALITATIVE TESTS. DISEASES RELATED TO LIPIDS METABOLISM GLYCOLYSIS GLYCOGENOLYSIS;LIPID OXIDATION GLUCONEOGENESIS TCA CYCLE HYPO,HYPER VITAMINASIS VITAMINS CLASSIFICATION PATIENT ARE HOSPITAL PHARMACY, PHARMACOTHERAPEUTICS TOXCOLOGY PATHOLOGY PROPHYLAXIS PHARMACOGENETICS RADIOLOGY LIVER,KIDNEY FUNCTION TEST COUNSELLING PLACEBO CLINICAL PHARMACY HOSPITAL LAY OUT</p>
-------------------------------------	--------------------------	--

Sadhana Yadav

LECTURER

INFECTION,
DISEASE,
COMMUNICABLE, NON COMMUNICABLE DISEASES;
DIABETES,
HEART ATTACK,
HEPATITIS,
NEPHROTOXICITY;
ULCER,
COUGH,
SMALLPOX, MEASLES, INFLUENZA, DIPHTHERIA,
WHOOPING COUGH AND
TUBERCULOSIS.
INTESTINAL INFECTION-
POLIOMYELITIS, CHOLERA, TYPHOID,
FOOD POISONING,
HOOKWORM INFECTION.
ARTHROPOD BORNE INFECTIONS-
PLAGUE, MALARIA,
FILARIASES.
SURFACE INFECTION-
RABIES, TRACHOMA,
TETANUS, LEPROSY.
SEXUALLY TRANSMITTED DISEASES-SYPHILIS, GONORRHOEA, AIDS
MMUNITY AND IMMUNIZATION;
PRINCIPLES OF DISEASE CONTROL AND PREVENTION,
HOSPITAL ACQUIRED INFECTION,
PREVENTION AND CONTROL. DISINFECTION,
TYPES OF DISINFECTIONS ;
DISINFECTIONS OF -FACES, URINE, SPUTUM, ROOM LINEN, DEAD-BODIES,
INSTRUMENTS. NUTRITION AND HEALTH:
GRAM'S & ACID-FAST STAINING