

Smt. Chandaben Mohanbhai Patel Homoeopathic Medical College
DEPARTMENT OF HOMOEOPATHIC PHARMACY

ADVANCE TEACHING PROGRAM [ATP] - THEORY
ACADEMIC YEAR: 2023-2024

Total No. of hours - 100 hours, as per NCH and MUHS guidelines

No.	Planned Lectures	Hours	Faculty
I TERM			
1.	Definition of Pharmacy & Homoeopathic Pharmacy Concept of Drug substance, Drug, Medicine & Remedy Forming Basic concept of other AYUSH Schools of Pharmacy (Ayurveda, Siddha, SowaRigpa & Unani Pharmacy)	3	Dr. Sumit Goel
2.	Sources of Homoeopathic Pharmacy Branches of Pharmacy Scope of Homoeopathic Pharmacy Specialty and originality of Homoeopathic Pharmacy The Principles of Homoeopathy Law of Similia, Simplex & Minimum Theory of Chronic Disease & Vital Force, Doctrine of Drug Proving & Drug Dynamisation	4	Dr. Sumit Goel
3.	The Evolution, History & Development of Homoeopathic Pharmacopoeias throughout the world (year wise Publications) - GHP, BHP, HPUS, FHP Official -(HPI) & Unofficial Pharmacopoeias - (M Bhattacharya & Co's Homoeopathic Pharmacopoeia; Encyclopaedia of Homoeopathic Pharmacopoeia - P N Verma, Homoeopathic Pharmaceutical Codex) Monograph, Contents of Monograph with its individual importance	4	Dr. Sumit Goel
4.	Pre requisites of ideal Laboratory (General Laboratory), Laboratory safety Rules Role of Laboratory in Homoeopathic Pharmacy Education	2	Dr. Parizad Damania
5.	Metrology - Basics & Units of Apothecary System, British Imperial System, Metric System Interrelationship between various systems of Weight & Measure Concept on Domestic Measures with Metric Equivalentents	1	Dr. Divya Menon

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6.	The Basic Rules of Nomenclature Nomenclature of Homoeopathic Drugs Important terminologies like scientific names, common names, synonyms Anomalies in Nomenclature	2	Dr. Sumit Goel
7.	Role and contributions of Pioneers in development of Homoeopathic Pharmacy	2	Dr. Sumit Goel
8.	Different sources - Plant kingdom, Animal kingdom, Mineral kingdom, Nosodes, Sarcodes, Imponderabilia, Synthetic source, New Sources - Allersode, Isodes with reference to their clinical utility Introduction to Bowel Nosodes, Tissue remedies	7	Dr. Parizad Damania
9.	General and Specific guidelines for collecting drugs from all available sources	3	Dr. Divya Menon
10.	Definition, classification, General Use Source, Properties and Particular use of Vehicles with respect to List Provided in Appendix D Preparation - Commercial Lactose, Alcohol Purity tests - Water, Alcohol, Sugar of Milk	6	Dr. Divya Menon
II TERM			
11.	Extraction - Principles and Various Methods Old Method (Based on Class I to IX) Concept of Uniform Drug Strength Estimation of Moisture Content - Necessity New Method/Modern Approach of Homoeopathic Drug Preparation	7	Dr. Parizad Damania
12.	History of development, Introducer, Designation, Preparation, Administration and Application with respect to - Centesimal Scale, Decimal Scale and 50 Millesimal Scale	3	Dr. Sumit Goel
13.	The Evolution of Dynamisation Concept in Homoeopathy Potentisation and its types The Merits of Potentisation; Succussion & Trituration Various types of Potency- Fluxion Potency, Jumping Potency, Back Potency, Single Vial Potency, Multiple Vial Potency, Mixed Vial Potency	6	Dr. Sumit Goel

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	Post-Hahnemannian Potentization Techniques		
14.	Scope of administration of External Applications in Homoeopathic Practice Dr Hahnemann's View as per Organon (5 th and 6 th Ed) Preparation and Uses of lotion, glycerol, liniment and ointment Commercial Preparation of Ointment	5	Dr. Divya Menon
15.	Various Dosage Forms - Solid, Liquid Dosage Forms Methods of Dispensing	2	Dr. Divya Menon
16.	Concept of Homoeopathic Placebo The Philosophy of administration of placebo Concept of Placebo Effect	1	Dr. Divya Menon
17.	Routes of Homoeopathic drug administration	2	Dr. Divya Menon
18.	Preservation Rules - Raw Materials Drug Substance, Mother Preparations, Finished products and Vehicles	2	Dr. Divya Menon
19.	Doctrine of Signature - Basic Concept, Its Evolution and Application in ancient Medical System Supporters of the Doctrine Dr Hahnemann's view on the Doctrine	1	Dr. Divya Menon
20.	Adverse Drug Reaction - Basic Idea, Reporting of ADE Drug safety with Ref to HPI Medication errors, Causality Assessment Incompatible Remedies	2	Dr. Sumit Goel
21.	Pharmacovigilance in Homoeopathy Activities of Pharmacovigilance Centres Awareness on Medicinal Preparations against Homoeopathic Principles - Patents, Combinations	2	Dr. Sumit Goel
22.	Different Methods of Standardisation Quality Control of Raw Materials - Various Evaluation techniques In Process Quality Control Quality Control of finished products - Various standard parameters	2	Dr. Sumit Goel
23.	Good Manufacturing Practices (GMP) Schedule M1	2	Dr. Parizad Damania

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24.	Functions and Activities of HPL relating to quality control of drugs Pharmacopoeia Commission for Indian Medicines	1	Dr. Parizad Damania
III TERM			
25.	Basic principles of Homoeopathic Posology Related aphorisms of Organon of medicine Criteria for Selection of Potency and Repetition of Dose Various Kinds of Dose, Emphasis on Minimum Dose	6	Dr. Parizad Damania
26.	Prescription Writing Important Abbreviations Parts and Contents of Prescription Merits and Demerits of Prescription Writing	2	Dr. Sumit Goel
27.	Homoeopathic Pharmacodynamics With reference to aphorisms 105 - 145 of Organon of Medicine - 6 th Ed) Post Hahnemannian Drug Proving Homoeopathic Pathogenetic Trial (HPT) CCRH and Other Protocols on HPT Other Noted Provers and their work on Drug Proving	6	Dr. Divya Menon
28.	Pharmacological study of drugs (any 15)	5	Dr. Divya Menon
29.	The Drugs and Cosmetics Act, 1940 (23 to 1940) Drugs and Cosmetics Rules, 1945 Medicinal and Toilet Preparations (Excise Duties) Act, 1955 (16 of 1955) Drugs and Magic Remedies (Objectionable Advertisements) Act, 1954 (21 of 1954) The Narcotic Drugs and Psychotropic Substances Act, 1985 (61 of 1985) Dangerous Drug Act, 1930	4	Dr. Parizad Damania
30.	Relation of Homoeopathic Pharmacy with Anatomy Relation of Homoeopathic Pharmacy with Physiology Relation of Homoeopathic Pharmacy with Materia Medica - With reference to Source of Drugs, Identification, Common Name of Drugs, Role of Drug Proving & Other Types of Proving in construction of Materia Medica, Clinical	2	Dr. Sumit Goel

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	Verification Family wise study of Sphere of action - Solanaceae, Loganiaceae, Compositae, Liliaceae, Anacardiaceae, Rubiaceae, etc		
31.	Modern theories related with Homoeopathic Drug action Principles of Drug action Introduction to Nanomedicine Molecular Mechanism of Drug Action Mechanism of Action of Homoeopathic Medicines	2	Dr. Sumit Goel
32.	Scope of Research in Homoeopathic Pharmacy Drug Discovery Principles of New Drug discovery Clinical evaluation of New Drugs Pre-Clinical Research in Homoeopathic Pharmacy	1	Dr. Sumit Goel

Prepared by



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ADVANCE TEACHING PROGRAM [ATP] -
PRACTICALS/DEMONSTRATIONS
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Total No. of hours - 110 hours, as per NCH and MUHS guidelines

No. of practicals - 1 per batch per PRACTICAL; Total 6 batches

PRACTICALS

	Practical	Faculty
1.	Estimation of size of globules (2 hours)	Dr. Sumit Goel Dr. Divya Menon
2.	Medication of globules (Small Scale) (2 hours)	Dr. Sumit Goel Dr. Divya Menon
3.	Purity test of Sugar of milk (2 hours)	Dr. Sumit Goel Dr. Divya Menon
4.	Purity test of Water (2 hours)	Dr. Sumit Goel Dr. Divya Menon
5.	Purity test of Ethyl alcohol (2 hours)	Dr. Sumit Goel Dr. Divya Menon
6.	Determination of Specific gravity of a given liquid vehicle and identifying the same (2 hours)	Dr. Sumit Goel Dr. Divya Menon
7.	Preparation of dispensing alcohol from strong alcohol (1 hour)	Dr. Sumit Goel Dr. Divya Menon
8.	Preparation of dilute alcohol from strong alcohol (1 hour)	Dr. Sumit Goel Dr. Divya Menon
9.	Trituration of drug in Old Method (one each of Class VII, VIII and IX) (3 hours)	Dr. Sumit Goel Dr. Divya Menon
10.	Trituration of one drug as per HPI (1 hour)	Dr. Sumit Goel Dr. Divya Menon
11.	Succussion in decimal scale from Mother Tincture (Prepared in Old Method) to 3X potency (2 hours)	Dr. Sumit Goel Dr. Divya Menon
12.	Succussion in decimal scale from Mother Tincture (Prepared in New Method) to 3X potency (2 hours)	Dr. Sumit Goel Dr. Divya Menon
13.	Succussion in centesimal scale from Mother Tincture (Prepared in Old Method) to 3C (2 hours)	Dr. Sumit Goel Dr. Divya Menon
14.	Succussion in centesimal scale from Mother Tincture (Prepared in New Method) to 3C (2 hours)	Dr. Sumit Goel Dr. Divya Menon
15.	Conversion of Trituration to liquid potency: Decimal scale 6X to 8X potency (1 hour)	Dr. Sumit Goel Dr. Divya Menon

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16.	Conversion of Trituration to liquid potency: Centesimal scale 3C to 4C potency (1 hour)	Dr. Sumit Goel Dr. Divya Menon
17.	Preparation of 0/2 potency (Solid form) (LM scale) of 1 Drug from 3 rd Degree Trituration (2 hours)	Dr. Sumit Goel Dr. Divya Menon
18.	Preparation of external applications - Lotion (1 hour)	Dr. Sumit Goel Dr. Divya Menon
19.	Preparation of external applications - Glycerol (1 hour)	Dr. Sumit Goel Dr. Divya Menon
20.	Preparation of external applications - Liniment (1 hour)	Dr. Sumit Goel Dr. Divya Menon
21.	Preparation of external applications - Ointment (1 hour)	Dr. Sumit Goel Dr. Divya Menon
22.	Writing of prescription and Dispensing the Medicine in Water with preparation of Doses (1 hour)	Dr. Sumit Goel Dr. Divya Menon
23.	Writing of prescription and Dispensing the Medicine in Sugar of Milk with Preparation of Doses (1 hour)	Dr. Sumit Goel Dr. Divya Menon
24.	Preparation of mother tinctures according to Old Hahnemannian method (Class I, II, III, IV) (8 hours)	Dr. Sumit Goel Dr. Divya Menon
25.	Preparation of mother solutions according to Old Hahnemannian method (Class VA, VB, VIA, VIB) (4 hours)	Dr. Sumit Goel Dr. Divya Menon

DEMONSTRATION

	Demonstration	Faculty
1.	Homoeopathic pharmaceutical instruments and appliances with their cleaning (6 hours)	Dr. Sumit Goel Dr. Divya Menon
2.	Estimation of moisture content using water bath (2 hours)	Dr. Sumit Goel Dr. Divya Menon
3.	Paper chromatography and TLC of any mother tincture (4 hours)	Dr. Sumit Goel Dr. Divya Menon
4.	Laboratory methods - Sublimation, distillation, decantation, filtration, crystallization (4 hours)	Dr. Sumit Goel Dr. Divya Menon

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5.	Preparation of mother tincture - Maceration and Percolation (4 hours)	Dr. Sumit Goel Dr. Divya Menon
6.	Study and demonstration of Drug Substances (10 hours)	Dr. Sumit Goel Dr. Divya Menon
7.	Study and demonstration of vehicles (2 hours)	Dr. Sumit Goel Dr. Divya Menon
8.	Microscopical study of Trituration (2 hours)	Dr. Sumit Goel Dr. Divya Menon
9.	Medication of Globule (Large Scale) (1 hour)	Dr. Sumit Goel Dr. Divya Menon

VISITS

Clinical Hospital Work

Maintain Record (Activities/Posting in Dispensing Section, Prescriptions based on Homoeopathic Principles in IPD/OPD) - Record to be maintained as per format in Appendix G - 20 Hours


Seminar - Maintain Record on Seminar Presentation on Topics of Homoeopathic Pharmacy as assigned - 07 Hours

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