Course-Homoeopathic Pharmacy

Course code: Hom-UG-HP

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1. PREAMBLE

Pharmacy holds a unique place in Homoeopathic practice and education. It involves knowledge of sources of drugs and the process through which these are processed to obtain dynamic, potent homoeopathic drugs for use at the bedside. It encompasses knowledge of drug action, drug proving, methods of Quality testing, standardization & storage with up to date information of changing drug laws related to Homoeopathic Pharmaceutical Industry & Homoeopathy.

We all know the travails which Master went through while establishing the right to manufacture and dispense what he had so painfully discovered. The challenges have not lessened in the modern era when 'scientific' evidence has been gathered for dubbing Homoeopathic medicines as nothing more than a placebo. It is important that the entrant to our science is introduced to the scientific nature of the process employed to prepare our medicines and he develops confidence in the soundness of the practices as well as its efficacy. The student should also appreciate the more than 250 year advance that Hahnemann was able to establish of Homoeopathic science. We now know that Homoeopathy is the 'greenest' of all medical systems in existence and that is sustainable, eco-friendly and the most economic while being effective over a wide range of conditions.

The way that this can be conveyed is by adopting an integrated approach to Pharmacy education and training. Effective linkages with the subjects of Homoeopathic Philosophy and Materia Medica will be able to convey the strong roots that the practice of Pharmacy has not only in the philosophical approach but also the experimental results as seen through the proving from which the world of Materia Medica has evolved.

Simultaneously, the recent advances in the bio-physical and quantum physics has opened new avenues to address the age-old question of how homoeopathic medicines act. A host of researchers are already doing work which the student needs to be made conversant with. That will produce an insight of the way new researches and developments in related fields of the 21st century are able to start explaining Hahnemann's insights of the 18th! This will also firmly root the student in the first year itself to being a participant in ongoing research related to the discipline

which will be his own. Hence the teacher of Pharmacy has a crucial role to play in being abreast of the developments in the field and lend to the student the excitement that becomes a part of teaching-learning.

2. PROGRAMME OUTCOMES

At the end of BHMS program, a student must

- 1. Develop the competencies essential for primary health care in clinical diagnosis and treatment of diseases through the judicious application of homoeopathic principles
- 2. Recognize the scope and limitation of homoeopathy and to apply the Homoeopathic Principles for curative, prophylactic, promotive, palliative, and rehabilitative primary health care for the benefit of the individual and community.
- 3. Discern the relevance of other systems of medical practice for rational use of cross referral and life saving measures, so as to address clinical emergences
- 4. Develop capacity for critical thinking and research aptitude as required for evidence based homoeopathic practice.
- 5. Demonstrate aptitude for lifelong learning and develop competencies as and when conditions of practice demand.
- 6. Be competent enough to practice homoeopathy as per the medical ethics and professionalism.
- 7. Develop the necessary communication skills to work as a team member in various healthcare setting and contribute towards the larger goals of national policies such as school health, community health, environmental conservation.

8. Identify and respect the socio-demographic, psychological, cultural, environmental & economic factors that affect health and disease and plan homoeopathic intervention to achieve the sustainable development Goal.

3. COURSE OUTCOMES

At the end of the course of Homoeopathic Pharmacy, I BHMS Student will be able to

- 1. Explain the principles that govern homoeopathic pharmacy.
- 2. Discuss the pharmacognosical basis of homoeopathic drugs with respect to their identification, nomenclature, source, part used, method of collection and preparation.
- 3. Prepare homoeopathic medicines from their respective sources according to the different scales & methods of potentisation on a small scale in the laboratory.
- 4. Describe the pharmacology of homoeopathic drugs with respect to the types of drug action, sphere of action and pharmacological action of homoeopathic drugs integrated with Homoeopathic Materia Medica, Anatomy and physiology.
- 5. Relate the methodology of Homoeopathic Drug Proving integrated with Organon of Medicine.
- 6. Apply the principles of Homoeopathic Posology in different health care setting like OPD/IPD integrated with Organon of Medicine and Homoeopathic Materia Medica.
- 7. State the methods of standardization and quality control of homoeopathic medicines to ensure the genuineness of homoeopathic medicines.
- 8. Explain the principles of pharmaconomy, dispensing and preservation of homoeopathic medicines.
- 9. Engage the principles of pharmaco-vigilance, and adverse drug reaction in relation to homoeopathic medicines.
- 10. Write an ideal prescription.
- 11. Evaluate the scope for research in homoeopathic pharmacy in the context of the recent advancements in pharmaceutical sciences

3. TEACHING HOURS

SrN	No.	Subject	Theoretical Lecture	Practical + Posting at IPD/OPD/Hospital Dispensing Section
01		Homeopathic Pharmacy	100 hrs.	110 hrs.

Teaching Hours (Theory)

A List of Topics	A List of Topics		C.Teaching Hours
a) General Concepts and Or	ientation:		
History of Pharmacy with emphasis on emergence of Homoeopathic Pharmacy.	,		03
Homoeopathic Pharmacy Basics	Sources of Homoeopathic Pharmacy Branches of Pharmacy Scope of Homoeopathic Pharmacy	I	04

	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		
Homoeopathic Pharmacopoeia	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		04
Ideal laboratory	Pre requisites of ideal Laboratory (General Laboratory), Laboratory safety Rules Role of Laboratory in Homoeopathic Pharmacy Education	I	02

Weights and	Metrology	I	01
measurements.	Basics & Units of Apothecary System, British Imperial System, Metric System		
	Interrelationship between various systems of Weight & Measure		
	Concept on Domestic Measures with Metric Equivalents		
Nomenclature	The Basic Rules of Nomenclature	I	02
	Nomenclature of Homoeopathic Drugs		
	Important terminologies like scientific names, common names, synonyms		
	Anomalies in Nomenclature		
Pioneers of Homoeopathic Pharmacy	Role & contributions of Pioneers in development of Homoeopathic Pharmacy	1	02
b) Raw Material: Drugs and	Vehicles		
Source of drugs in Homoeopathy	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	1	07
	remedies		

Collection of drug substances	General and Specific guidelines for collecting drugs from all available sources	I	03
Vehicles.	Definition, classification, General Use Source, Properties & Particular use of Vehicles with respect to List Provided in Appendix D Preparation – Commercial Lactose, Alcohol Purity tests – Water, Alcohol, Sugar of Milk	I	06
c) Homoeopathic Pharmac	eutics:		
Mother tincture and its preparation	Extraction – Principles & 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	II	07
Various Scales of Potentization in Homoeopathic pharmacy.	History of development, Introducer, Designation, Preparation, Administration & Application with respect to - Centesimal Scale, Decimal Scale & 50 Millesimal Scale	II	03
Drugs Dynamisation	The Evolution of Dynamisation Concept in Homoeopathy Potentisation& its types	II	06

	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		
	Post-Hahnemannian Potentization Techniques		
External applications	Scope of administration of External Applications in Homoeopathic Practice	II	05
	Dr Hahnemann's View as per Organon (5 th & 6 th Ed)		
	Preparation & Uses of lotion, glycerol, liniment and ointment.		
	Commercial Preparation of Ointment		
Posology	Basic principles of Homoeopathic Posology	III	06
	Related aphorisms of Organon of medicine.		
	Criteria for Selection of Potency & Repetition of Dose		
	Various Kinds of Dose, Emphasis on Minimum Dose		

Prescription	Prescription Writing	III	02
	Important Abbreviations		
	Parts & Contents of Prescription		
	Merits & Demerits of Prescription Writing		
Dispensing of Homoeopathic Medicines	Various Dosage Forms – Solid, Liquid Dosage Forms,	II	02
	Methods of Dispensing		
Placebo.	Concept of Homoeopathic Placebo	II	01
	The Philosophy of administration of placebo		
	Concept of Placebo Effect		
Pharmaconomy	Routes of Homoeopathic drug administration.	II	02
Preservation	Preservation Rules – Raw Materials Drug Substance, Mother Preparations, Finished products & Vehicles	II	02
d) Pharmacodynamics			
Doctrine of Signature.	Basic Concept, Its Evolution & Application in Ancient Medical System	II	01
	Supporters of the Doctrine		
	Dr Hahnemann's view on the Doctrine		
Drug Proving.	Homoeopathic Pharmacodynamics	III	06

	With reference to aphorisms 105 – 145 of Organon of Medicine – 6 th Ed)		
	Post Hahnemannian Drug Proving		
	Homoeopathic Pathogenetic Trial (HPT)		
	CCRH & Other Protocols on HPT		
	Other Noted Provers & their work on Drug Proving		
■ Adverse Drug	Basic Idea, Reporting of ADE	II	02
Reactions	Drug safety with Ref to HPI		
	Medication errors, Causality Assessment		
	Incompatible Remedies		
■ Pharmaco- vigilance.	Pharmacovigilance in Homoeopathy Activities of Pharmacovigilance Centres Awareness on Medicinal Preparations against Homoeopathic Principles – Patents, Combinations	II	02
Pharmacological study of drugs	listed in Appendix-A (Any 15)	III	05
e) Quality Control:	I		

• Standardisation in	Different Methods of Standardisation	II	02
Homoeopathy	Quality Control of Raw Materials – Various Evaluation techniques		
	In Process Quality Control		
	Quality Control of finished products – Various standard parameters		
Industrial pharmacy.	Good Manufacturing Practices (GMP)	II	02
	Schedule M1		
Homoeopathic pharmacopoeia	Functions and Activities of HPL relating to quality control of drugs.	II	01
laboratory (HPL)	Pharmacopoeia Commission for Indian Medicines		
f) Legislations pertaining to	Homoeopathic Pharmacy:	III	04
The Drugs and Cosmetics Ac	t, 1940 (23 to 1940)		
Drugs and Cosmetics Rules, 2	1945		
Medicinal and Toilet Prepara	tions (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	Dangerous Drug Act, 1930		

g) Recent Advances in Homoeopathic Pharmacy	III	02
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		
Scope of Research in Homoeopathic Pharmacy	III	01
 Drug Discovery 		
 Principles of New Drug discovery 		
 Clinical evaluation of New Drugs 		
 Pre-Clinical Research in Homoeopathic Pharmacy 		
h) Homoeopathic Pharmacy - Relationships	III	02
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 Verification		
Family wise study of Sphere of action – Solanaceae, Loganiaceae, Compositae, Liliaceae, Anacardiaceae, Rubiaceaeetc		

Teaching Hours (Practical)

Hon	noeopathic Pharmacy Practicals	Teaching Peyton's 4 step asses Hours criteria		
	Particulars of Experiments			
1	Estimation of size of globules	2	Execution	
2	Medication of globules (Small Scale)	2	Execution	
3	Purity test of Sugar of milk	2	Comprehension & Execution	
4	Purity test of water	2	Comprehension & Execution	
5	Purity test of Ethyl alcohol	2	Comprehension & Execution	
6	Determination of Specific gravity of a given liquid Vehicle & identifying the same.	2	Execution	
7	Preparation of dispensing alcohol from strong alcohol.	1	Comprehension & Execution	
8	Preparation of dilute alcohol from strong alcohol.	1	Comprehension & Execution	
9	Trituration of drug in Old Method (One each of Class VII, VIII & IX)	3	Execution	
10	Trituration of one drug as per HPI	1	Execution	
11	Succussion in decimal scale from Mother Tincture (Prepared in Old Method) to 3X potency.	2	Execution	
12	Succussion in decimal scale from Mother Tincture (Prepared in New Method) to 3X potency	2	Execution	

13	Succussion in centesimal scale from Mother Tincture (Prepared in Old Method) to 3C	2	Execution
14	Succussion in centesimal scale from Mother Tincture (Prepared in New Method) to 3C	2	Execution
15	Conversion of Trituration to liquid potency: Decimal scale 6X to 8X potency.	1	Execution
16	Conversion of Trituration to liquid potency: Centesimal scale 3C to 4C potency.	1	Execution
17	Preparation of o/2 potency (Solid form) (LM scale) of 1 Drug from 3 rd Degree Trituration.	2	Execution
18	Preparation of external applications – Lotion	1	Execution
19	Preparation of external applications – Glycerol	1	Execution
20	Preparation of external applications – Liniment	1	Execution
21	Preparation of external applications – Ointment	1	Execution
22	Writing of prescription & Dispensing the Medicine in Water with preparation of Doses	1	Execution
23	Writing of prescription & Dispensing the Medicine in Sugar of Milk with Preparation of Doses	1	Execution
24	Preparation of mother tinctures according to Old Hahnemannian method (Class I, II, III, IV)		Execution
25	Preparation of mother solutions according to Old Hahnemannian method (Class Va, Vb, Vla, Vlb)	4	Execution

5. COURSE CONTENT

A. THEORY

Table 4: Homoeopathic Pharmacy Theory					
a) General Concepts and Orio	entation:				
History of Pharmacy with emphasis on emergence of Homoeopathic Pharmacy.	Definition of Pharmacy & Homoeopathic Pharmacy Concept of Drug substance, Drug, Medicine & Remedy				
	Forming Basic concept of other AYUSH Schools of Pharmacy (Ayurveda, Siddha, Sowa Rigpa& Unani Pharmacy)				
Homoeopathic Pharmacy	Sources of Homoeopathic Pharmacy				
Basics	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				

Homoeopathic Pharmacopoeia	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						
Ideal laboratory	Pre requisites of ideal Laboratory (General Laboratory), Laboratory safety Rules						
	Role of Laboratory in Homoeopathic Pharmacy Education						
Weights and measurements.	Metrology						
	Basics & Units of Apothecary System, British Imperial System, Metric System						
	Interrelationship between various systems of Weight & Measure						
	Concept on Domestic Measures with Metric Equivalents						
Nomenclature	The Basic Rules of Nomenclature						
	Nomenclature of Homoeopathic Drugs						
	Important terminologies like scientific names, common names, synonyms						
	Anomalies in Nomenclature						
Pioneers of Homoeopathic Pharmacy	Role & contributions of Pioneers in development of Homoeopathic Pharmacy						

o) Raw Material: Drugs and Vehicles								
Source of drugs in Homoeopathy Different sources - Plant kingdom, Animal kingdom, Mineral kingdom, Nosci Imponderabilia, Synthetic source, New Sources - Allersode, Isodes with reference to their clinical utility Introduction to Bowel Nosodes, Tissue remedies								
Collection of drug substances	General and Specific guidelines for collecting drugs from all available sources							
Vehicles.	Definition, classification, General Use Source, Properties & Particular use of Vehicles with respect to List Provided in Appendix D Preparation – Commercial Lactose, Alcohol Purity tests – Water, Alcohol, Sugar of Milk							

Mother tincture and its	Extraction – Principles & Various Methods
preparation	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
Various Scales of Potentization in Homoeopathic pharmacy.	History of development, Introducer, Designation, Preparation, Administration & Application with respect to - Centesimal Scale, Decimal Scale & 50 Millesimal Scale
Drugs Dynamisation	The Evolution of Dynamisation Concept in Homoeopathy
	Potentisation& 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
	Post-Hahnemannian Potentization Techniques
External applications	Scope of administration of External Applications in Homoeopathic Practice
	Dr Hahnemann's View as per Organon (5 th & 6 th Ed)
	Preparation & Uses of lotion, glycerol, liniment and ointment.
	Commercial Preparation of Ointment

Posology	Basic principles of Homoeopathic Posology						
	Related aphorisms of Organon of medicine.						
	Criteria for Selection of Potency & Repetition of Dose						
	Various Kinds of Dose, Emphasis on Minimum Dose						
Prescription	Prescription Writing						
	Important Abbreviations						
	Parts & Contents of Prescription						
	Merits & Demerits of Prescription Writing						
Dispensing of	Various Dosage Forms – Solid, Liquid Dosage Forms,						
Homoeopathic Medicines	Methods of Dispensing						
Placebo.	Concept of Homoeopathic Placebo						
	The Philosophy of administration of placebo						
	Concept of Placebo Effect						
Pharmaconomy	Routes of Homoeopathic drug administration.						
Preservation	Preservation Rules – Raw Materials Drug Substance, Mother Preparations, Finished products & Vehicles						
d) Pharmacodynamics							

■ Doctrine of	Basic Concept, Its Evolution & Application in Ancient Medical System					
Signature.	Supporters of the Doctrine					
	Dr Hahnemann's view on the Doctrine					
Drug Proving.	Homoeopathic Pharmacodynamics					
	With reference to aphorisms 105 – 145 of Organon of Medicine – 6 th Ed)					
	Post Hahnemannian Drug Proving					
	Homoeopathic Pathogenetic Trial (HPT)					
	CCRH & Other Protocols on HPT					
	Other Noted Provers & their work on Drug Proving					
■ Adverse Drug	Basic Idea, Reporting of ADE					
Reactions	Drug safety with Ref to HPI					
	Medication errors, Causality Assessment					
	Incompatible Remedies					
Pharmaco-vigilance.	Pharmacovigilance in Homoeopathy					
	Activities of Pharmacovigilance Centres					
	Awareness on Medicinal Preparations against Homoeopathic Principles – Patents, Combinations					
Pharmacological study of drugs	listed in Appendix-A (Any 15)					
e) Quality Control:						

• Standardisation in	Different Methods of Standardisation					
Homoeopathy	Quality Control of Raw Materials – Various Evaluation techniques					
	In Process Quality Control					
	Quality Control of finished products – Various standard parameters					
Industrial pharmacy.	Good Manufacturing Practices (GMP)					
	Schedule M1					
Homoeopathic	Functions and Activities of HPL relating to quality control of drugs.					
pharmacopoeia laboratory (HPL)	Pharmacopoeia Commission for Indian Medicines					
f) Legislations pertaining to I	Homoeopathic Pharmacy:					
The Drugs and Cosmetics Act,	, 1940 (23 to 1940)					
Drugs and Cosmetics Rules, 19	945					
Medicinal and Toilet Preparat	ions (Excise Duties) Act, 1955 (16 of 1955)					
Drugs and Magic Remedies (Objectionable Advertisements) Act, 1954 (21 of 1954)						
The Narcotic Drugs and Psych	The Narcotic Drugs and Psychotropic Substances Act, 1985 (61 of 1985)					
Dangerous Drug Act, 1930	Dangerous Drug Act, 1930					
g) Recent Advances in Homo	eopathic Pharmacy					

Modern theories related with Homoeopathic Drug action

- 1. Principles of Drug action
- 2. Introduction to Nanomedicine
- 3. Molecular Mechanism of Drug Action
- 4. Mechanism of Action of Homoeopathic Medicines

Scope of Research in Homoeopathic Pharmacy

- 1. Drug Discovery
- 2. Principles of New Drug discovery
- 3. Clinical evaluation of New Drugs
- 4. Pre-Clinical Research in Homoeopathic Pharmacy

h) Homoeopathic Pharmacy - Relationships

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 Verification

Family wise study of Sphere of action – Solanaceae, Loganiaceae, Compositae, Liliaceae, Anacardiaceae, Rubiaceaeetc

B. Practical – Lab Work – Field – Clinical Hospital Work

1. Laboratory Work -

Practical Class (Experiments) - Maintaining Record of Experiments Conducted

(Principle, Requirements, Calculation if applicable, Process, Label, Conclusion/Inference)

Practical Class (Demonstration) – Maintaining Records of Practical Demonstrated

(Principle, Requirements, Calculation if applicable, Process, Label, Conclusion/Inference)

Field Visits-

- A) Maintain File/Report on Visit to GMP Compliant Large Scale Medicine Manufacturing Unit (Format should be as per Appendix E)
- B) Maintain File/Report on Visit to Medicinal Plant Garden (Format should be as per Appendix F)

Activity -

- (a) 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
- (b) Seminar Maintain Record on Seminar Presentation on Topics of Homoeopathic Pharmacy as assigned Record to be maintained as per Appendix H
- (c) Herbarium Maintenance of 30 Plant Drug Substances Samples

B. PRACTICALS

Tabl	e 5 : Homoeopathic Pharmacy Practicals
Sr	
No.	Particulars of Experiments
1	Estimation of size of globules
2	Medication of globules (Small Scale)
3	Purity test of Sugar of milk
4	Purity test of water
5	Purity test of Ethyl alcohol
6	Determination of Specific gravity of a given liquid Vehicle & identifying the same.
7	Preparation of dispensing alcohol from strong alcohol.
8	Preparation of dilute alcohol from strong alcohol.
9	Trituration of drug in Old Method (One each of Class VII, VIII & IX)
10	Trituration of one drug as per HPI
11	Succussion in decimal scale from Mother Tincture (Prepared in Old Method) to 3X potency.
12	Succussion in decimal scale from Mother Tincture (Prepared in New Method) to 3X potency
13	Succussion in centesimal scale from Mother Tincture (Prepared in Old Method) to 3C
14	Succussion in centesimal scale from Mother Tincture (Prepared in New Method) to 3C

15	Conversion of Trituration to liquid potency: Decimal scale 6X to 8X potency.
16	Conversion of Trituration to liquid potency: Centesimal scale 3C to 4C potency.
17	Preparation of o/2 potency (Solid form) (LM scale) of 1 Drug from 3 rd Degree Trituration.
18	Preparation of external applications – Lotion
19	Preparation of external applications – Glycerol
20	Preparation of external applications – Liniment
21	Preparation of external applications – Ointment
22	Writing of prescription & Dispensing the Medicine in Water with preparation of Doses
23	Writing of prescription & Dispensing the Medicine in Sugar of Milk with Preparation of Doses
24	Preparation of mother tinctures according to Old Hahnemannian method (Class I, II, III, IV)
25	Preparation of mother solutions according to Old Hahnemannian method (Class Va, Vb, VIa, VIb)

Demonstration

- 1. Homoeopathic pharmaceutical instruments and appliances with their cleaning (List provided in Appendix C)
- 2. Estimation of moisture content using water bath
- 3. Paper chromatography & TLC of any mother tincture
- 4. Laboratory methods Sublimation, distillation, decantation, filtration, crystallization.
- 5. Preparation of mother tincture Maceration and Percolation
- 6. Study & demonstration of Drug Substances (listed in Appendix B)-

- i) Macroscopic Characteristic (Any 15)
- ii) Microscopic characteristic (Any 05)
- 7. Study & demonstration of vehicles (Solid, Liquid & Semi solid as available)
- 8. Microscopical study of Trituration (One drug up to 3X Potency)
- 9. Medication of Globule (Large Scale)

Activities

- 1. Collection of 30 drugs for herbarium
- 2. Visit to a Large-scale manufacturing unit of Homoeopathic medicine (GMP compliant).
- 3. Visit to a Medicinal Plant /Botanical Garden & shall keep details Visit report
- 4. Clinical Class: Visit to IPD, OPD to take note on prescriptions as per Homoeopathic Principles &keep record
- 5. Visit to Hospital dispensing section to observe & gain knowledge on Dispensing techniques & Keep Records

Demonstration

- 1. Homoeopathic pharmaceutical instruments and appliances with their cleaning (List provided in Appendix C)-o6 Hours
- 2. Estimation of moisture content using water bath-02 Hours
- 3. Paper chromatography & TLC of any mother tincture-o4 Hours
- 4. Laboratory methods Sublimation, distillation, decantation, filtration, crystallization.-04 Hours
- 5. Preparation of mother tincture Maceration and Percolation- 04 Hours

- 6. Study & demonstration of Drug Substances (listed in Appendix B)- 10 Hours
 - i)Macroscopic Characteristic (Any 15)
- ii) Microscopic characteristic (Any 05)
- 7. Study & demonstration of vehicles (Solid, Liquid & Semi solid as available)- o2 Hours
- 8. Microscopical study of Trituration (One drug up to 3X Potency)-o2 Hours
- 9. Medication of Globule (Large Scale)-1 Hour

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- o7 Hours

6. TEACHING LEARNING METHODS

The Teaching Learning activities in Homoeopathic Pharmacy requires change in structure & process in order to be more skill based & providing hands on experience. The Teaching Learning methods with respect to Homoeopathic Pharmacy may be covered in the following manner –

- a) Class Room Lectures Oral Presentation, Board Work, Power point Presentation
- b) **Tutorials** Special Classes on Doubt Clearing of Completed topics/Chapters, Special Classes for Slow Learners (involving Students in Groups comprising 5-10)

- c) **Practical Class** Demonstration & Explanation of the Experiments, this would follow by conduction of the Experiment by the students on their own, write up of the Experiment conducted
- d) **Clinical Class** Visit **to** IPD/OPD for gaining Knowledge on Prescription writing, Administration of Homoeopathic medicines based on Homoeopathic Posology, Visiting Hospital Pharmacy to observe & Gain Knowledge on dispensing techniques
- e) Field Visit Visit to One GMP Compliant Homoeopathic Manufactory.

Visit to One Medicinal Plant Garden

f) Student Activities – Working out the Assignments, Projects, Power point presentations as assigned

7. CONTENT MAPPING (COMPETENCY TABLE)

Topic: History of Pharmacy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to -

Interpret the difference in concept of Pharmacy in different AYUSH systems of medicine

Sr.	Generi	Subject	Miller'	Specifi	Specific	Bloom'	Guilb	Must	Teaching -	Assessment	:/Evaluation	Integration
No	c Comp	Area	s Level Does/	c Comp	Learning Objectives	S	ert's	to	Learning Method	Formative	Type (Sum	

	etenci		Shows	etenci		Domai	Level	know/			mativ	
	es		how/ Know s how/	es		n	S	desira ble			e)	
			Know					to know/				
								Nice to				
								know				
Но		History	Know	Must	Define	Cogniti	Lvel1	Must	1.Lecture	1.Structur	Theory &	Horizontal
mU		of	S	be able	Pharmacy	ve	Recal	Know	Demonstrations	ed Oral	Viva Voce	with
G-		Pharmac		to			I		2. Small Group	Examinati		Organon of
HP-	Integr	y with		interpr					Discussions/	on		Medicine
1.1.	ation	emphasis		et the						2.		
1	of Knowl	to emergen		differe nce in					3.Peer teaching (Think-Pair-Share,	Tutorials		
	edge	ce of		concep					Jigsaw Strategy)	3.		
	J	Homoeo		t of					4. Quiz	Assignme		
		pathic		Pharm						nts		
		Pharmac y		acy among					5. Student Seminars	4. MCQ's		
		,		various					6. Integrated	5. 2 marks		
	Synth			system					6. Integrated Teaching with	question		
Но	esis		Know	s of	Define		Level	Must	Organon of	6.SAQ's		
mU	and		S	AYUS	Homoeop		1	know	Medicine	and LAQ's		
G-	applic ation		•	Н	эосор		_					

HP- 1.1. 2	of knowl edge		athic Pharmacy	Recal I			
Ho mU G- HP- 1.1.		Know	Describe the Basic concepts of Different schools of Pharmacy with reference to AYUSH	Level 2 Unde rstan d	Nice to Know		
Ho m- UG- HP- 1.1.		Know s	Differenti ate between Drug- Medicine- Remedy	Level 2 Unde rstan d	Must know		

TOPIC: Basics of Homoeopathic Pharmacy

Topic: Basics of Homoeopathic Pharmacy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to – Enumerate the fundamental Principles of Homoeopathic Pharmacy

Sr. No	Generi	Subjec t Area	Miller's Level Does/	Specifi c	Specifi c	Bloom'	Guilbert' s Levels	Must to know/	Teaching - Learning	Assessmer /Evaluation		Integration
	Comp etenci es		Shows how/ Knows how/ Know	Compe tencies	Learnin g Objecti ves	Domai n		desirable to know/Nice to know	Method	Formativ e	Summati ve	Horizontall ntegration with Organon of Medicine
Ho mU G- HP- 1.2. 1 Ho mU G- HP-	Integr ation of Knowl edge Synth esis and Applic ation of	Basics of Homo eopath ic Pharm acy	Knows	Must be able to state the fundam ental Principl es governi ng Homoe opathic Pharm acy	1.Enum erate the Source s of Homoe opathic Pharm acy 2.Expla in the Branch es of Homoe	Cogniti ve	Level 1 Recall Level 2 Understanding	Must Know	1.Lecture Demonstrat ions 2. Small Group Discussions / Peer teaching (Think-Pair- Share, Jigsaw Strategy)	1.Structu red Oral Examina tion 2. Tutorials 3. Assignm ents 4. MCQ's	SAQ MCQ LAQ Viva Voce	

1.2. 2 Ho mU G- HP- 1.2.	knowl edge	Knows	opathic Pharm acy 3.Illustr ate the Scope of Homoe opathic Pharm acy	Level 2 Understa nding	Must Know	3. Quiz4. StudentSeminars5. GuestLecture6. Problembasedlearning	5. 2 marks question 6.SAQ's and LAQ's	
Ho m- UG HP- 1.2.		Knows	4.Descr ibe the Origina lity & Special ty of Homoe opathic Pharm acy	Level 2 Understa nding	Must Know			
Ho mU G- HP-		Knows	5.Expla in the Funda mental Principl	Level 2 Understa nding	Must Know			

1.2.			es,				
5			Laws &				
			Doctrin				
			es				
			related				
			to				
			Homoe				
			opathic				
			Pharm				
			acy				

TOPIC: Nomenclature of Homoeopathic Medicines

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to – State the basic rules of Nomenclature of Homoeopathic medicines

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Sr.	Generic	Subject	Mille	Specific	Specific	Bloom's	Guilber	Must	Teaching -	Assessment /Evaluation	
No	Compet encies	Area	r'sLe vel Does / Sho ws	Competencies	Learning Objectives	Domain	t's Levels	to know/ desira ble	Learning Method	Formative	Summative

Hom	Integrati	Nomencla	how/ Kno ws how/ Kno w	Must be able to	1.State the	Cognitiv	Level 1	to know/ Nice to know	1.Lecture	1.Structured	SAQ	MCQ
UG- HP- 1.3.1	on of Knowle dge Synthesi s and Applicat	ture of Homoeop athic Medicines	WS	describe the principles followed in nomenclature of Homoeopathic medicines	Basic rules of Nomenclat ure	e	Recall	Know	Demonstrati ons 2. Small Group Discussions/ Peer teaching	Oral Examination 2. Tutorials 3. Assignments 4. MCQ's	LAQ Voce	Viva
Hom UG- HP- 1.3.2	ion of knowled ge		Kno ws		2.Describe the nomenclatu re of Homoeopat hic Drugs		Level 2 Unders tanding	Must Know	(Think-Pair-Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars	5. 2 marks question		
Hom UG- HP- 1.3.3			Kno ws		3.Enumerat e the important terminologi es related		Level 1 Recall	Must Know	5. Guest Lecture			

Hom UG-	Kno ws	ure 4.De Scier	ntific	Level 1	Must Know	6. Problem based learning	
HP- 1.3.4		Nam					
Hom	Kno	5.Def	fine	Level 1	Must		
UG- HP- 1.3.5	ws	Comi Nam		Recall	Know		
Hom	Kno	6.En	umerat Cognitiv	Level 1	Must		
UG- HP- 1.3.6	WS		the e intages cientific ie	Recall	Know		
Hom	Kno	7 Fn	umerat Cognitiv	Level 1	Must		
UG- HP- 1.3.7	ws	e Adva	the e entages ommon	Recall	know		
1.3./		Nam					

Hom	Kno	8.1	Identify	Cognitiv	Level 3	Nice	1.Lecture
Hom UG- HP- 1.3.8	Kno ws	the an in No ure Ho	e existing nomalies omenclat of omoeopat	_	Proble m Solving	Nice to know	1.Lecture Demonstrati on 2.Procedural Skills Teaching 3. Problem Based
							Learning

TOPIC: Pioneers of Homoeopathic Pharmacy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to.-State the Contribution of various Pioneers in the field of Homoeopathic Pharmacy

Sr.	Generic	Subject	Miller	Specific	Specific	Bloom's	Guilber	Must to	Teaching -	Assessment /Eva	aluation
No	Compet encies	Area	's Level Does/ Show s how/ Know	Competencies	Learning Objectives	Domain	t's Levels	know/ desirable to know/Ni ce to	Learning Method	Formative	Summati ve

			how/ Know						know				
Ho mU G- HP- 1.4.	Integrati on of Knowled ge Synthesi s and Applicat ion of knowled ge	Pioneers of Homoeop athic Pharmacy	Knows	Must able state contrib ns various pionee the fiel Homoe thic Pharma	of rs in ld of eopa	contributions of the Pioneers of Homoeopath y in the field of	Cognitiv e	Level 1 Recall	Nice Know	to	1.Lecture Demonstrations2. Small Group Discussions/3. Quiz4. Student Seminars	1.Structured Oral Examination 2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks question	SAQ MCQ LAQ Viva Voce

TOPIC: Pharmacopoeia

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able abide by the homoeopathic pharmacopoeia guidelines for preparation of homoeopathic medicines.

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom'	Guilbe	Must to	Teaching -	Assessmer	nt
No	Competencies	Area	Level Does/	Competenc	Learning	S	rt's	know/	Learning	/Evaluatio	n
			Shows how/ Knows	ies	Objectives	Domai	levels	desirab	Method	Formativ	Sum
			how/ Know			n		le		е	mativ
			now, know								е
								to know/N			
								ice to			
								know			
Hom	Problem solution	Pharmacop	Knows	Must be	1. Define	Cogniti	Level 1	Must	1.Lecture	1.Structu	SAQ
UG-		oeia		able abide	Pharmacop	ve	Recall	Know	Demonstrati	red Oral	MCQ
HP-	lata matica af			by the	oeia				ons	Examina	LAQ
1.5.1	Integration of Knowledge			homoeopat hic					2. Small	tion	Viva Voce
Hom	Knowledge		Knows	pharmacop	2.		Level 1	Must	Group	2.	VOCE
UG-				oeia	Enumerate		Recall	Know	Discussions/	Tutorials	
HP-	Synthesis and			guidelines	the different				Peer	3.	
1.5.2	application of			for	types of				teaching	Assignm	
	knowledge			preparation	homoeopat				(Think-Pair-	ents	
				of	hic				Share, Jigsaw	4. MCQ's	
				homoeopat	pharmacop				Strategy)		
					oeia with						

Hom UG- HP.1 .5.3	Knows	hic medicines.	suitable examples. 3. Explain the different types of homoeopat hic pharmacop oeia.	Level 2 Under standi ng	Must Know	3. Quiz 4. Student Seminars	5. 2 marks question 6.SAQ's, LAQ's 7.Project s	
Hom UG- HP- 1.5.4 Hom UG- HP-	Knows		4. Explain HPI in detail 5. Explain what is monogra	Level 2 Under standing Level 2 Under standi	Must Know Must Know			
HP- 1.5.5			monogra ph?	standi ng				

Knows how	6.Apply the	Cogniti	Level 3	Nice to	1. Practical	1. DOPS	SAQ
Knows how		_	Proble m solvin g	Nice to know	 Practical Demonstration Lecture Demonstration Projects Herbarium Journal 	1. DOPS 2. OSPE 3. Evaluati on of projects 4. Evaluati on of Journal & Herbariu m	SAQ MCQ LAQ Viva Voce Practi cal Exami natio n / Check list
	medicine						
Knows how	ate care, professiona lism & commitme nt & follow		Level 1 Receiv ing	Nice to know	 Practical Demonstrati on Lecture Demonstrati on 	1. DOPS 2. OSPE 3. Evaluati	Viva Voce
		guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine Knows how 7.Demonstr ate care, professiona lism & commitme	guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine Knows how 7.Demonstr ate care, professiona lism & commitme nt & follow	guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine Knows how 7.Demonstr ate care, professiona lism & commitme nt & follow Receiving	guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine Knows how 7.Demonstr ate care, professiona lism & commitme nt & follow Row how Receiv ing	guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine Knows how 7.Demonstr ate care, professiona lism & commitme nt & follow Roow in the official homoeopat hic medicine know Demonstrati on 2. Lecture Demonstrati on 3. Projects 4. Herbarium 5. Journal Receiv ing know Demonstrati on 2. Lecture Demonstrati on 3. Projects 4. Herbarium 5. Journal	guidelines laid down in the official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio nn, preparation and dispensing of homoeopat hic medicine Knows how Commitme how ficial homoeopat hic msolving homosopat hic we we professional lism & commitme how follow homosopat hic msolving homosopat hic no homosopat hic hic medicine Knows how Commitme how ficial homoeopat hic msolving homosopat hic no homosopa

	guidelines meticulousl y as given in official homoeopat hic pharmacop oeia w.r.t. identificatio n, collection, preservatio n, preparation and dispensing of homoeopat hic medicine	3. Projects4. Herbarium5. Journal	on of projects 4. Evaluati on of Journal & Herbariu m
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TOPIC: Plant Kingdom

Topic: Plant Kingdom

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify the plant drug substances for preparation of homoeopathic medicines.

Sr. No	Generic Competencies	Subject Area	Miller's Level Does/ Shows how/	Specific Competenci es	Specific Learning Objectives	Bloom' s	Guilber t's Levels	Must to know/	Teaching - Learning Method	Assessment /Evaluation	
			Knows how/ Know	es	Objectives	Domai n	Leveis	desirab le to know/N ice to know	Metriou	Formative	Type Sum mativ e
Hom UG- HP- 1.6.1	Integration of knowledge Synthesis and application of knowledge Classroom to herbarium and lab transfer	Sources of drugs	Knows	Must be able to identify the plant drug substances for preparation of homoeopat hic medicines.	1. Explain in detail the part used and drug prepared from plant kingdom	Cognitiv e	Level 2 Unders tanding	Must know	1.Lecture Demonstr ations 2. Small Group Discussion s/ Peer teaching (Think- Pair- Share,	1.Structured Oral Examination 2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks question	SAQ MCQ LAQ Viva Voce

Hom UG- HP- 1.6.2	Knows	2. List any 4 examples of drugs from particular part of the plant.		Level 1 Recall	Must know	Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest	6.SAQ's and LAQ's 7. Herbarium	
Hom UG- HP- 1.6.3	Knows	3. Explain classification of plant kingdom with examples.		Level 2 Unders tanding	Must know	6. Problem based learning 7. Flipped Classroom 8. Videos		
Hom UG- HP- 1.6.4	Does	-	ve	Level 3 Proble m solving	Must know	1.Practical Demonstr ation 2.Procedu ral Skills Teaching	1.DOPS 2. OSPE 3. Herbarium	Practi cal Exami natio n / Check list

							3. Herbariu m 4. Experienti al learning (Projects)		
Hom UG- HP- 1.6.5		Shows how	5.Demonstra te care while identifying & collecting the plant drug substances	Affecti ve	Level 1 Receivi ng	Nice to know	1.Lecture Demonstr ation 2. Problem Based Learning	1.Herbarium	Practi cal Exami natio n / Check list

TOPIC: Animal Kingdom

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify the animal drug substances for preparation of homoeopathic medicines.

Sr. No	Generic Competencies	Subject Area	Miller's Level Does/ Shows how/ Knows how/ Know	Specific Compete ncies	Specific Learnin g Objecti ves	Bloom 'sDom ain	Guilber t's Levels	Must to know/ desirable to know/Nice to know	Teaching - Learning Method	Assessment /Evaluation Formative	Summa tive
Hom UG- HP- 1.7.1	Integration of knowledge Synthesis and application of knowledge Classroom to herbarium and lab transfer	Sources of drugs	Knows	Must be able to identify the animal drug substanc es for preparati on of homoeo pathic medicine s.	1. Explain the part used and drug prepare d from animal kingdo m	Cognit	Level 2 Unders tanding	Must know	1.Lecture Demonstra tions 2. Small Group Discussion s/ Peer teaching (Think- Pair-Share, Jigsaw Strategy) 3. Quiz	1.Structure d Oral Examinatio n 2. Tutorials 3. Assignment s 4. MCQ's 5. 2 marks question 6.SAQ's and LAQ's	LAQ SAQ MCQ Viva Voce

Hom UG- HP- 1.7.2	Knows	2. List any 4 exampl es of drugs from particul ar part of the animal.	Level 1 Recall	Must Know	 4. Student Seminars 5. Guest Lecture 6. Problem based learning 7. Flipped Classroom 8. Videos 	7. Herbarium	
UG- HP- 1.7.3		Explain classific ation of	Unders tanding				

		animal kingdo m						
Hom UG- HP- 1.7.4	Does	4. Identify the animal and its parts used for prepara tion of homoe opathic medici nes	Cognit	Level 3 Proble m Solving	Must Know	1.Practical Demonstra tion 2.Procedur al Skills Teaching 3. Herbarium 4. Experienti al learning (Projects)	1.DOPS 2. OSPE 3. Herbarium	Practica I Examin ation / Checklis t
Hom UG- HP- 1.7.5	Shows how	5.Demo nstrate care while identify ing & collecti	Affecti ve	Level 1 Receivi ng	Must Know	1.LectureDemonstration2. ProblemBasedLearning	1.Herbariu m	Practica I Examin ation / Checklis t

		animal			
		drug			
		substan			
		ces			

TOPIC: Mineral Kingdom

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify the mineral drug substances for preparation of homoeopathic medicines.

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching	Assessmer	nt
No	Competencies	Area	Level	Compet encies	Learning Objectives	Domain	Levels	know/	- Learning Method	/Evaluatio	n
			Does/ Shows	Circles	Objectives			desirable	Wicthou	Formativ	Summ ative
			how/ Knows how/ Know					to know/Nic e to know		е	ative
Hom	Integration of	Sources	Knows	Must be	1. Explain	Cognitiv	Level 2	Must	1.Lecture	1.Structu	LAQ
UG- HP-	knowledge	of drugs		able to identify	the part used and	e	Understa nding	know	Demonstr ations	red Oral Examina	SAQ MCQ
1.8.1				the mineral	drug prepared		namg			tion	

	Synthesis and application of knowledge Classroom to herbarium and lab transfer	f		drug substan ces for prepara tion of homoeo pathic medicin es.	from mineral kingdom			2. Small Group Discussio ns/ Peer teaching (Think- Pair- Share, Jigsaw	2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks question	Viva Voce
Hom UG- HP- 1.8.2			Knows		2. List any 4 examples of drugs from prepared from minerals.	Level 1 Recall	Must know	Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture	6.SAQ's and LAQ's 7. Herbariu m	
Hom UG- HP- 1.8.3			Knows		3. Explain the classificatio n of mineral kingdom	Level 2 Understa nding	Must know	6. Problem based learning 7. Flipped Classroo m 8. Videos		

Hom	Does	4. Identify	Cognitiv	Level 3	Must	1.Practica	1.DOPS	Practic
UG-		the mineral	_		know	1		al
HP-		used for		Problem		Demonstr	2. OSPE	Examin
1.8.4		preparation		solving		ation	3.	ation /
		of				2.Procedu	Herbariu	Checkli
		homoeopat				ral Skills	m	st
		hic				Teaching		
		medicines						
						3.		
						Herbariu		
						m		
						4.		
						Experienti		
						al learning		
						(Projects)		
Hom	Shows	5.Demonstr	Affectiv	Level 1	Nice to	1.Lecture	1.Herbari	Practic
UG-	how	ate care	е		know	Demonstr	um	al
HP-		while		Receiving		ation		Examin
1.8.5		identifying						ation /
		&collecting				2.		Checkli
		the mineral				Problem		st
		drug				Based		
		substances				Learning		

TOPIC: Sarcodes & Nosodes

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify the drug substances from nosodes and sarcodes for preparation of homoeopathic medicines.

Sr.	Generic	Subj	Miller'	Specific	Specific	Bloom'	Guilbert's	Must to	Teaching -	Assessment	
No	Compet	ect	S	Competen	Learning	S	Levels	know/	Learning	/Evaluation	
	encies	Area	Level Does/ Show s how/ Know s how/ Know	cies	Objectives	Domain		desirable to know/Ni ce to know	Method	Formative	Summativ e
Ho mU G- HP- 1.9.	Integrat ion of knowle dge Synthes is and applicat	Sour ces of drug s	Know s	Must be able to identify the drug substances from nosodes and sarcodes	1. Explain the part used and drug prepared from nosodes	Cogniti ve	Level 2 Understand ing	Must know	1.Lecture Demonstrati ons 2. Small Group Discussions/ Peer teaching	1.Structure d Oral Examinatio n 2. Tutorials	LAQ SAQ MCQ Viva Voce

Ho mU G- HP- 1.9.	ion of knowle dge Classro om to herbari um and lab transfer	Know s	for preparatio n of homoeopa thic medicines	2. List any 4 examples of drugs from prepared from nosodes.	Level 1 Recall	Must Know	(Think-Pair-Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem	3. Assignmen ts 4. MCQ's 5. 2 marks question 6.SAQ's and LAQ's	
Ho mU G- HP 1.9.		Know s		3. Explain classificatio n of nosodes.	Level 2 Understand ing	Must Know	based learning 7. Flipped Classroom 8. Videos		
Ho mU G- HP 1.9.		Know s		4.Explain the part used and drug prepared from sarcodes	Level 2 Understand ing	Must Know			

Ho mU G- HP 1.9.		Know s	5. List any 4 examples of drugs from prepared from sarcodes		Level 1 Recall	Must Know			
Ho mU G- HP 1.9.		Know s	6. Explain classificatio n of sarcodes		Level 2 Understand ing	Must Know			
Ho mU G- HP 1.9.		Does	7. Identify the sarcode/nos ode used for preparation of homoeopat hic medicines	Cogniti ve	Level 3 Problem solving	Must know	1.Practical Demonstrati on 2.Procedural Skills Teaching 3. Experiential	1.DOPS 2. OSPE	Practical Examinati on / Checklist

									learning (Projects)		
Но		Show	8.Dem	onstr	Affectiv	Level 1	Nice	to	1.Lecture	1.Monogra	Practical
mU G- HP 1.9. 8		s how	ate while identif & coll the dis part/se on prepar	ecting eased ecreti for ation odes&	е	Receiving	know		Demonstrati on 2. Problem Based Learning	phs	Examinati on / Checklist
			health part/se on prepar of sarc	for ation							

TOPIC: Imponderabilia

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify the drug substances from energy sources for preparation of homoeopathic medicines.

Sr. No	Generic Competencies	Subject Area	Miller's Level	Specific Compete	Specific Learning	Bloom' s	Guilber t's	Must to know/	Teaching -	Assessmer /Evaluatio	
			Does/ Shows how/ Knows how/ Know	ncies	Objectives	Domain	Levels	desirable to know/Nic e to know	Learning Method	Formati ve	Summ ative
Hom UG- HP- 1.10.	Integration of knowledge Synthesis and application of knowledge Classroom to herbarium and lab transfer	Sources of drugs	Knows	Must be able to identify the drug substance s from energy sources for preparatio n of homoeop athic	1. Explain the energy used and drug prepared from impondera bilia	Cogniti ve	Level 2 Unders tanding	Must know	1.Lecture Demonst rations 2. Small Group Discussio ns/ Peer teaching (Think- Pair- Share,	1.Struct ured Oral Examina tion 2. Tutorials 3. Assignm ents	LAQ SAQ MCQ Viva Voce

Hom UG- HP- 1.10. 2 Hom UG- HP- 1.10. 3	Knows	medicines	2. List any 4 examples of drugs prepared from impondera bilia 3. Explain classificatio n of impondera bilia.		Level 1 Recall Level 2 Unders tanding	Must know Must know	Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem based learning 7. Flipped Classroo m 8. Videos	4. MCQ's 5. 2 marks question 6.SAQ's and LAQ's	
Hom UG- HP- 1.10. 4	Does		4. Identify the energy source used for preparation of homoeopat hic medicines	_	Level 3 Proble m solving	Nice to know	1.Practic al Demonst ration 2.Proced ural Skills Teaching	1.DOPS 2. OSPE	Practi cal Exami nation / Checkl ist

			from impondera bilia				3. Experient ial learning (Projects)		
Hom UG- HP- 1.10. 5		Shows	5.Demonstr ate care & commitme nt while identifying & collecting the different energy sources for preparation of impondera bilia medicines	Affectiv e	Level 1 Receivi ng	Nice know	1.Lecture Demonst ration 2. Problem Based Learning	1.Monog raphs	Practi cal Exami nation / Checkl ist

TOPIC: Allersodes, Isodes, Synthetic Source

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify drug substances of Allersodes, Isodes, Synthetic Source for preparation of homoeopathic medicines.

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert'	Must to	Teaching	Asses	
No	Competencies	Area	Level Does/ Shows how/	Competenci es	Learning Objectives	Domain	s Levels	know/	- Learning Method	smen t	
			Knows how/		-			desirabl		/Eval	
			Know					е		uatio	
								to		n	
								know/Ni		Form	Summ
								ce to		ative	ative
								know			
Hom	Integration of	Sources	Knows	Must be	1. Explain	Cogniti	Level 2	Must	1.Lecture	1.Str	LAQ
UG-	knowledge	of drugs		able to	the	ve	Underst	know	Demonstr	uctur	SAQ
HP-				identify	preparation		anding		ations	ed	MCQ
1.11.				drug	of		anding		2. Small	Oral	Viva
1	Synthesis and			substances	Allersodes,				Group	Exam	Voce
	application of			of	Isodes&				Discussio	inatio	
	knowledge			Allersodes,	Synthetic				ns/	n	
				Isodes,	Source of					2.	
				Synthetic	homoeopat				Peer	Tutor	
				Source for	hic				teaching	ials	
				preparation	medicines				(Think-		

Hom UG- HP- 1.11. 2	Classroom to herbarium and lab transfer	ŀ	Knows	of homoeopat hic medicines.	2. List any 4 examples of drugs prepared from Allersodes, Isodes& Synthetic Source	Level 1 Recall	Must know	Pair- Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem based learning 7. Flipped Classroo m 8. Videos	3. Assig nmen ts 4. MCQ' s 5. 2 mark s quest ion 6.SA Q's and LAQ' s	

Hom UG- HP- 1.11.	Does	3. Identify the part ve used for preparation of Allersodes, Isodes& Synthetic Source.	Level 3 Problem solving	Must know	Experienti al learning (Projects)	Proje cts	Practi cal Exami nation / Checkl ist
Hom UG- HP- 1.11. 4	Shows how	4.Demonstr ate care & commitmen t while identifying & collecting the different parts for preparation of Allersodes, Isodes& Synthetic Source		Nice to know	1.Lecture Demonstr ation 2. Problem Based Learning	1.Proj ects	Practi cal Exami nation / Checkl ist

TOPIC: Collection of Drug Substances

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to collect a particular part/ source for preparation of homoeopathic drugs

Sr. No	Generic Competencies	Subject Area	Miller's Level Does/ Shows how/ Knows how/ Know	Specific Compete ncies	Specific Learning Objectives	Bloom's Domain	Guilbert' s Levels	Must to know/ desirabl e to know/Ni ce to know	Teachin g - Learnin g Method	Assessi /Evalua Form ative	
Ho mU G- HP- 1.12	Problem solution Integration of Knowledge	Collection of Drug Substances	Knows	Must be able to collect a particular part/ source for preparatio n of homoeop	1. Explain the general rules for collecting drugs from vegetable kingdom.	Cognitiv e	Level 2 Understa nding	Must know	1.Lectur e Demons trations 2. Small Group Discussi ons/	1.Stru cture d Oral Exam inatio n 2. Tutor ials	LA Q SA Q MC Q Viv a Voc e

	Synthesis and application of knowledge		athic drugs				Peer teaching (Think- Pair-	3. Assig nmen ts
Ho mU G- HP- 1.12	Classroom to Herbarium transfer Practice based	Knows		2. Explain the particular rules for collecting drugs from vegetable kingdom.	Level 2 Understa nding	Must know	Share, Jigsaw Strategy) 3. Quiz 4. Student Seminar	4. MCQ's 5. 2 mark s quest ion
Ho mU G- HP- 1.12	learning and improvement	Knows		3. Explain the general rules for collecting drugs from animal kingdom.	Level 2 Understa nding	Must know	5. Guest Lecture 6. Flipped Classroo	6.SA
Ho mU G- HP- 1.12		Knows		4. Explain the particular rules for collecting drugs from animal kingdom.	Level 2 Understa nding	Must know	m 7. Videos	ects 8. Herb arium

Ho mU G- HP- 1.12 .5 Ho mU G- HP- 1.12		Knows	5. Explain the collection of drugs from mineral kingdom. 6. Explain collection of Nosodes, Sarcodes & Imponderabi		Level 2 Understanding Level 2 Understanding	Must know Must know			
.6			lia.						
Ho mU G- HP- 1.12		Does	7. Collect the drugs from vegetable kingdom.	Psycho motor	Level 3 Automati on	Must know	1. Practical Demons trations 2. Procedu ral Skills	1.DO PS 2.OS PE 3.Proj ects	Pra ctic al Exa min atio n / Che

						Teachin g 3.Experi ential Learnin g	4.Spo tting 5.Her bariu m.	ckli st
Ho mU G- HP- 1.12	Does	8. Collect the drugs from animal kingdom.		Level 3 Automati	Must know			
Ho mU G- HP. 1.12	Does	9. Collect the drugs from nosodes, sarcodes & imponderabi lia.		Level 2 Control	Must know			
Ho mU G- HP-	Shows how	10. Demonstrat e care & commitment while collecting	Affectiv e	Level 1 Recievin g	Nice to know	1. Lecture Demons tration	Herb arium	Pra ctic al Exa min

1.12		drugs from		2.	atio
.10		vegetable		Practical	n
		kingdom,		Demons	
		animal		tration	
		kingdom,			
		nosodes,			
		sarcodes			
		&impondera			
		bilia.			

TOPIC: Cleansing

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to clean the instruments used in homoeopathic pharmaceutical laboratory.

Sr.	Generic	Subje	Miller's	Specific	Specific	Bloom'	Guilbert's	Must to	Teaching -	Assessment /E	valuation
No	Competencies	ct Area	Level Does/ Shows how/ Knows how/ Know	Compete ncies	Learning Objectives	s Domai n	Levels	know/ desirable to know/Ni ce toknow	Learning Method	Formative	Summati ve

Hom	Integration	Clean	Knows	Must be	1. Explain	Cogniti	Level 2	Must	1.Lecture	1.Structured	LAQ
UG-	of	sing	1110403	able to	the	ve	LCVCIZ	know	Demonstrati	Oral	SAQ
HP-	Knowledge	of		clean the	cleansing of	VC	Understand	KIIOW	ons	Examination	MCQ
	Kilowieuge	instru		instrume	mortar &		ing		OHS	Examination	Viva
1.13.									2. Small	2. Tutorials	
1		ments		nts used	pestle.				Group		Voce
	Synthesis			in					Discussions/	3.	
	and			homoeo						Assignments	
	application			pathic					Peer	4. MCQ's	
	of			pharmac					teaching	4. IVICQ 3	
	knowledge			eutical					(Think-Pair-	5. 2 marks	
Hom			Knows	laborato	2. Explain		Level 2	Must	Share, Jigsaw	question	
UG-				ry	the			know	Strategy)	C C A O/-	
HP-					cleansing of		Understand			6.SAQ's	
1.13.					spatula.		ing		3. Quiz	7.Projects	
2	Classroom								4. Student	, ,	
	to Lab								Seminars		
Hom	transfer		Knows	-	3. Explain		Level 2	Must			
UG-			KIIOWS		the		Level 2	know	5. Flipped		
							Understand	KIIOW	Classroom		
HP.1	Practice				cleansing of		ing				
.13.3	based				glass						
	learning				bottles.						
	and										
	improveme										
Hom	nt		Knows		4. Explain		Level 2	Must			
UG-					the		Understand	know			
							ing				

HP.1 .13.4 Hom UG- HP.1 .13.5	Knows	cleansing of corks. 5. Explain the cleansing of wooden instruments		Level 2 Understand ing	Must know			
Hom UG- HP.1 .13.6	Does	6. Demonstrat e the cleansing of mortar & pestle.	Psycho motor	Level 3 Automatis m	Must know	 Practical Demonstrati ons Procedural Skills Teaching Experientia I Learning 	1.DOPS 2.OSPE 3.Spotting	Practical Examina tion / Checklist
Hom UG- HP.1 .13.7	Does	7. Demonstrat e the cleansing of spatula		Level 3 Automatis m	Must know			

Hom UG- HP- 1.13. 8	Does	8. Demonstrat e the cleansing of glass bottles.		Level 3 Automatis m	Must know			
Hom UG- HP- 1.13.	Does	9. Demonstrat e the cleansing of corks.		Level 3 Automatis m	Must know			
Hom UG- HP- 1.13.	Does	10. Demonstrat e the cleansing of wooden instruments .		Level 3 Automatis m	Must know			
Hom UG- HP- 1.13.	Shows	Demonstrat e care while cleaning the	Affecti ve	Level 1 Receiving	Nice to know	1. Lecture Demonstrati on	1.DOPS 2.OSPE	Practical Examina tion / Checklist

. Demonstrati	
on on	

TOPIC: Lab Methods

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select and apply a particular lab method for preparation of homoeopathic medicines and for standardization of homoeopathic medicines.

Sr.	Generic	Subject	Miller'	Specific	Specific	Bloom'	Guilb	Must to	Teaching -	Assessme	ent
no	Competencies	Area	S	Competenc	Learning	S	ert's	knowl	Learning	/Evaluatio	on
			Level	ies	Objectives	Domai	Levels	know/ desirable	Method	Formati	Sum
			Does/			n		desirable		ve	mativ
			Shows					to			e
			how/					know/Ni			
			Knows					ce to			
			how/					know			
			Know					KIIOW			

Hom	Problem solution	Lab	Knows	Must	be	1. Define	Cognitiv	Level	Must	1.Lecture	1.Struct	LAQ
.UG-		Methods		able	to	decantation,	е	1	know	Demonstrati	ured	SAQ
HP-				select	and	sedimentatio		Decell		ons	Oral	MCQ
1.14.	Integration of			apply	a	n, filteration,		Recall		- Carall	Examina	Viva
1	Knowledge			particul	ar	distillation,				2. Small	tion	Voce
				lab me	thod	sublimation,				Group		
				for		precipitation.				Discussions/	2.	
	Synthesis and			prepara	ation					Peer	Tutorial	
	application of			of						teaching	S	
	knowledge			homoe	opat					(Think-Pair-	3.	
				hic						Share,	Assignm	
				medicir	nes					Jigsaw	ents	
				and	for					Strategy)		
				standar	diza						4.	
	Classroom to lab			tion	of					3. Quiz	MCQ's	
	transfer			homoe	opat					4. Student	5. 2	
				hic						Seminars	marks	
				medicir	nes						question	
	Practice based									5. Guest		
	learning and									Lecture	6.SAQ's	
	improvement									6. Problem	and	
										based	LAQ's	
										learning	7.Projec	
											ts	
										7. Flipped		
										Classroom		

						8. Videos	
Hom .UG- HP- 1.14. 2		Knows	2. Explain the process of decantation, sedimentation, distillation, sublimation, precipitation	Level 2 Under standi ng	Must know		
Hom .UG- HP- 1.14. 3		Knows	3.Explain the homoeopathi c uses of decantatio, sedimentatio n,filteration, distillation,su	Level 2 Under standi ng	Must know		

		blimation,pre cipitation			
Hom .UG- HP- 1.14.	Knows	4.Differentiat e between filteration&di stillation	Level 2 Under standi ng	Must know	
Hom .UG- HP- 1.14.	Knows how	5. Differentiate between decantation &filteration in detail.	Level 2 Under standi ng	Must know	
Hom .UG- HP- 1.14.	Does	6. Select a specific lab method according to the different processes carried out in	Level 3 Probl em solvin g	Desirabl e to know	

		a homoeopathi c pharmacy laboratory.						
Hom .UG- HP- 1.14. 7	Does		Psycho motor	Level 2 Contr ol	Desirabl e to know	 Practical Demonstrations Procedural Skills Teaching Experiential Learning 	1.DOPS 2.OSPE 3.Projec ts	Practi cal Exam inatio n / Chec klist
Hom .UG- HP- 1.14. 8	Shows		Affecti ve	Level 1 Recei ving	Nice to know	 Lecture Demonstrati on Practical Demonstrati on 	DOPS	Practi cal Exam inatio n / Chec klist

		1
c medicine		1

TOPIC: Standardization of homoeopathic drugs

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select an appropriate method for standardization of homoeopathic medicines.

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom'	Guilbert'	Must to	Teaching -	Assessme	nt
No	Competencies	Area	Level	Compete ncies	Learning Objectives	sDomai n	s Levels	know/	Learning Method	/Evaluatio	on
			Does/ Shows how/ Knows how/	Heles	Objectives			desirable to know/Nic e to	Wethou	Formati ve	Sum mativ e
			Know					know			
Hom.	Integration of	Standardiz	Knows	Must be	1.	Cogniti	Level 1	Must	1.Lecture	1.Struct	LAQ
UG- HP- 1.15.1	Knowledge Synthesis and application of knowledge	ation of homoeopa thic drugs		able to select an appropri ate method for standardi zation of	Enumerate the different methods of standardiza tion of	ve	Recall	know	Demonstr ations 2. Small Group Discussio ns/	ured Oral Examina tion 2. Tutorial s	SAQ MCQ Viva Voce

	Classroom to Lab transfer		homoeo pathic medicine s	homoeopat hic drugs				Peer teaching (Think- Pair- Share,	3. Assignm ents 4. MCQ's	
Hom. UG- HP- 1.15.2	Practice based learning and improvement	Knows		2. Explain the individual method of standardiza tion of homoeopat hic drugs	Cogniti ve	Level 2 Understa nding	Must	Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Flipped Classroom	marks question 6.SAQ's 7.Projec ts	
Hom. UG- HP- 1.15.3		Does		3. Estimate the standard of homoeopat hic drugs before and after manufacturi ng of homoeopat hic medicines.	Psycho motor	Level 2 Control	Desirable to know	6. Videos		

Hom. UG- HP- 1.15.4	Does	4. Demonstrat e the microscopic study of triturations.	Psycho motor	Level 2 Control	Desirable to know	1. Practical Demonstr ations 2. Procedura I Skills Teaching	1.Spotti ng 2. Assessm ent of research project output	Viva Voce & Practi cal Exam inatio ns / Chec
Hom. UG- HP- 1.15.5	Does	5. Identify the drug specimen applying the different methods of standardiza tion of drugs	_	Level 3 Problem solving	Desirable to know	3.Experien tial Learning 4. Research Projects		klist
Hom. UG- HP- 1.15.6	Does	6. Analyze the purity of mother tincture with the help of HPTLC.		Level 2 Control	Nice to know			

Hom. UG- HP- 1.15.7	Does	7. Analyze and identify the purity of mother substances and dilutions with the help of U.V. Spectrosco py.		Nice know	to			
Hom. UG- HP- 1.15.8	Shows	8. Abide by the rules of standardiza tion of homoeopat hic drugs laid down by HPL & value the importance of genuine medicine in homoeopat hic practice.	Level 3 Internaliz ing	Nice know	to	 Lecture Demonstr ation Monograp hs 	Herbari um Assignm ents	Viva Voce

TOPIC: Quality Control in Homoeopathy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to conduct the quality control as per the appropriate method

Sr. No	Generic Competencies	Subject Area	Miller's Level	Specific Compete ncies	Specific Learning Objectives	Bloom's Domain	Guilbert 's Levels	Must to know/	Teachin g- Learnin	Assessm /Evaluati	
			Does/ Shows how/ Knows how/ Know	licies	Objectives			desirable to know/Ni ce to know	g Method	Format ive	Summ ative
Hom.U G-HP- 1.16.1	Integration of Knowledge Synthesis and application of knowledge	Quality control	Knows	Must be able to conduct the quality control as per the appropria te method	1. Enumerate the different methods of quality control.	Cognitiv e	Level 1 Recall	Must Know	1.Lectur e Demons trations 2. Small Group Discussi ons/ Peer	1.Struc tured Oral Examin ation 2. Tutoria ls	LAQ SAQ MCQ Viva Voce
Hom.U G-HP- 1.16.2	Classroom to Lab transfer		Knows		2. Explain the individual method of		Level 2 Underst anding	Must Know	teachin g (Think- Pair-	Assign ments	

	Practice based learning and improvement		quality control in homoeopath y		Share, Jigsaw Strateg y) 3. Quiz	4. MCQ's 5. 2 marks questio
Hom.U G-HP- 1.16.3		Knows	3.Explain the functions of HPL in quality control of Homoeopat hic medicines	Level 2 Mu Underst anding	yst 4. Ow Student Seminar s 5. Flipped Classroo m 6.	n 6.SAQ' s 7.Proje cts
Hom.U G-HP- 1.16.4		Does	4. Determine the quality of homoeopath ic medicine based on the parameters of quality control		ce to Videos ow	

Hom.U G-HP- 1.16.5	Does	5. Take part in the process of quality control at different stages of preparation of homoeopath ic medicines.		Level 3 Problem solving	Nice to Know			
Hom.U G-HP- 1.16.6	oes, shows how	6. Demonstrat e the microscopic study of triturations.	Psycho motor	Level 2 Control	Nice to Know	1. Practica I Demons trations 2. Procedu ral Skills Teachin g	1.Spott ing 2.Asses sment of the outco me of researc h project s	Viva Voce & Practi cal Exami nation s / Checkl ist
Hom.U G-HP- 1.16.7		7. Analyze the purity of mother tinctures		Level 2 Control	Nice to know	3.Experi ential Learnin g		

Hom.U G-HP- 1.16.8	Does	with the help of HPTLC. 8. Analyze and identify the purity of mother substances and dilutions with the help of U.V. Spectroscop y.		Nice to know	4- Researc h Projects		
Hom.U G-HP- 1.16.9	Does	9. Abide by the rules of equality control laid down by HPL & value the importance of genuine medicine in homoeopath ic practice.	Level 3 Internali zing	Nice to know	1. Lecture Demons tration 2. Practica I Demons tration	SAQ/L AQ Project s Assign ments	Practi cal Exami nation / Checkl ist

TOPIC: Ideal Laboratory

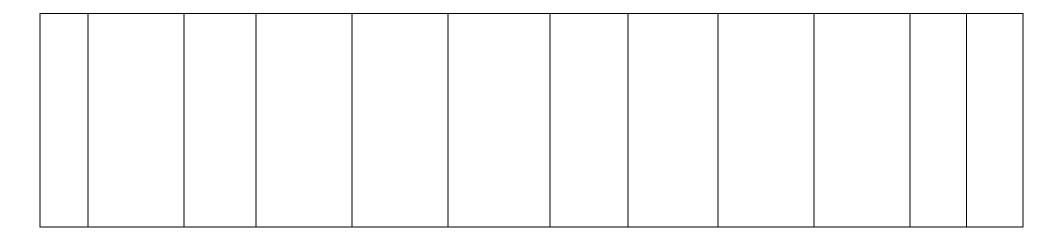
Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to –

1. State the pre requisites of an Ideal Laboratory

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching -	Assessr	ment
No	Competenci	Area	Level Does/	Competenci	Learning	Domain	Levels	know/	Learning	/Evalua	tion
	es		Shows how/	es	Objectives			KIIOW/	Method	Form	Sum
			Knows how/					desirable		ative	mativ
			Know					to			е
								know/Nice			
								to			
								know			
Hom			Knows	Must be	List the pre	Cognitive	Level 2	Must Know		1.Stru	LAQ
.UG-				able to state	requisites for					cture	SAQ

HP-	Integration	Ideal		the pre	an ideal	Understan		1.Lecture	d Oral	MCQ
1.17.	of	Laborat		requisites of	Laboratory	ding		Demonstrat	Exami	Viva
1	Knowledge	ory		an ideal				ions	natio	Voce
				laboratory				2. Small	n	
Hom	Synthesis		Knows		Formulate	Level 3	Nice to	Group	2. -	
.UG- HP-	and Application				the Laboratory	Problem solving	know	Discussions/ Peer	Tutori als	
1.17.	of				Safety Rules	Solving		teaching	3.	
2	knowledge							(Think-Pair-	Assig	
Hom			Knows		Describe the	Level 2	Desirable to	Share,	nmen	
.UG- HP-					role of Laboratory	Understan	know	Jigsaw Strategy)	ts	
1.17.	Problem				in	ding		3. Quiz	4. MCQʻ	
3	formulation				Homoeopat hic			4. Student	S	
					Pharmacy			Seminars	5. 2	
	Classroom to lab				education			5. Guest Lecture	marks questi on	
	transfer							6. Problem based	6.SA Q's	
								learning	and	
									LAQ's	



TOPIC: Industrial Pharmacy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to – Correlate the provisions under Schedule M-I

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching -	Assessm	nent
No	Competen	Area	Level	Competen	Learning	Domain	Levels	knowl	Learning	/Evaluat	ion
	cies		Does/ Shows how/ Knows how/ Know	cies	Objectives			know/ desirable to know/Nice to	Method	Forma tive	Sum mati ve

									know			
Hom. UG- HP- 1.18.1	Integration of Knowledge Synthesis and Applicatio n of knowledge Problem formulatio Classroom to lab transfer	Industri al Pharma cy	Knows	Must able correlate provision related Schedule M1	ns to	Explain in details the provisions under Schedule M-I	Cognitive	Level 2 Understan ding	Must Know	1.Lecture Demonstra tions 2. Small Group Discussion s/ Peer teaching (Think- Pair-Share, Jigsaw Strategy) 3. Field Visit	1.Stru ctured Oral Exami nation 2. Tutori als 3. Assign ments 4. MCQ's 5. 2 marks questi on 6.SAQ 's and LAQ's	LAQ SAQ MC Q Viva Voce

TOPIC: Homoeopathic Vehicles- Solid Vehicles

Topic: Homoeopathic Vehicles- Solid Vehicles

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select a particular solid vehicle for preparation or dispensing of homoeopathic medicines.

Sr. No	Generic Competenci es	Subject Area	Miller's Level Does/ Shows how/ Knows how/ Know	Specific Competenci es	Specific Learning Objectives	Bloom's Domain	Guilbert's Levels	Must to know/ desirab le to know/ Nice to	Teaching - Learning Method	Assess ment /Evalua tion Format ive	Sum mativ e
Hom .UG- HP- 1.19.	Integration of Knowledge Synthesis and Application	Vehicles	Knows	Selecting a particular solid vehicle for preparation or dispensing of	1.Define Vehicle	Cognitive	Level 1 Recall	Must Know	1.Lecture Demonstrat ions 2. Small Group Discussions	1.Struc tured Oral Examin ation	LAQ SAQ MCQ Viva Voce

Hom .UG- HP- 1.19. 2 Hom .UG- HP- 1.19. 3	of knowledge Problem formulation Classroom to lab transfer			homoeopath ic medicines.	2.Classify vehicles in detail 3. List all the solid vehicles used in homoeopath y.	Level 2 Understan ding Level 1 Recall	Must Know Must Know	Peer teaching (Think-Pair-Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem based learning	5. 2	
Hom .UG- HP- 1.19. 4		Kr	nows		4. Explain the preparation, properties and uses of all solid vehicles	Level 2 Understan ding	Must Know			

Hom .UG- HP- 1.19.	Does	5. Select the appropriate solid vehicle for dispensing of homoeopath ic medicines, potentisatio n etc.		Level 3 Problem Solving	Must Know			
Hom .UG- HP- 1.19. 6	Does	6. Identify the given solid vehicle.	Cognitive	Level 3 Problem solving	Must Know	1.Practical Demonstrat ion 2.Procedur al Skills Teaching 3. Problem Based Learning	1.DOP S 2. OSPE	Practi cal Exami natio n / Check list
Hom .UG- HP- 1.19. 7	Show How	7. Estimate the purity of the given solid vehicle.	Psychom otor	Level 2 Control	Must know	4. Experiential learning		

Hom .UG-	Shows how	8.Demonstra te care and	Affective	Level 1	Nice to know	1.Lecture Demonstrat	1.DOP S	Practi cal
HP- 1.19. 8		commitment in preparing & dispensing of homoeopath ic medicine with		Receiving	Kilow	ion 2.Procedur al Skills Teaching 3. Problem Based		Exami natio n / Check list
		accuracy				4. Experiential learning 5. Practical Demonstration		

TOPIC: Homoeopathic Vehicles- Liquid Vehicles

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select a particular liquid vehicle for preparation or dispensing of homoeopathic medicines.

Sr. No	Generic Competenci es	Subject Area	Miller's Level Does/ Shows how/ Knows how/ Knows	Specific Compete ncies	Specific Learning Objective	Bloom 's Domai n	Guilbert's Levels	Must to know/ desirable to know/Nic e to know	Teaching - Learning Method	Assessme /Evaluation Formati ve	
Hom. UG- HP- 1.20.1 Hom. UG- HP- 1.20.2 Hom. UG- HP- 1.20.3	Integration of Knowledge Synthesis and Application of knowledge Problem formulation	Vehicles	Knows Knows	Selecting a particular liquid vehicle for preparatio n or dispensin g of homoeop athic medicines .	1.Define Vehicle 2.Classify vehicles in detail 3. List all the liquid vehicles used in homoeop athy.	Cognit	Level 1 Recall Level 2 Understanding Level 1 Recall	Must Know Must Know	1.Lecture Demonstrat ions 2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz	1.Struct ured Oral Examin ation 2. Tutorial s 3. Assign ments 4. MCQ's	LAQ SAQ MCQ Viva Voce

Hom. UG- HP- 1.20.4	Classroom to lab transfer	Knows	4. Explain the preparatio n, properties and uses of all liquid vehicles.		Level 2 Understa nding	Must Know	4. StudentSeminars5. GuestLecture6. Problembasedlearning	5. 2 marks questio n 6.SAQ' s and LAQ's	
Hom. UG- HP- 1.20.5		Does	5. Select the appropria te liquid vehicle for dispensin g of homoeop athic medicines , potentisat ion etc.		Level 3 Problem solving	Must Know			
Hom. UG- HP- 1.20.6		Does	6. Identify the given liquid vehicle.	_	Level 2 Understa nding	Must Know	1.Practical Demonstrat ion	1.DOPS 2. OSPE	Practic al Examin ation /

Hom. UG- HP- 1.20.7	Shows	7. Psyce Estimate ome the purity of the given liquid vehicle.		Must Know	2.Procedura I Skills Teaching 3. Problem Based Learning 4. Experiential learning		Checkli st
Hom. UG- HP- 1.20.8	Shows	8.Demons trate care ve and commitm ent in preparing & dispensin g of homoeop athic medicine with accuracy	cti Level 1 Receiving	Nice to Know	1.Lecture Demonstrat ion 2.Procedura I Skills Teaching 3. Problem Based Learning 4. Experiential learning	1.DOPS	Practic al Examin ation / Checkli st

				5. Practical	
				Demonstrat	
				ion	
					İ

TOPIC: Homoeopathic Vehicles- Semi-solid Vehicles

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select a particular semi solid vehicle for preparation or dispensing of homoeopathic medicines.

Sr.	Generi	Subje	Miller	Specific	Specific	Learning	Bloom's	Guilbert's	Must to	Teaching -	Assessment /E	valuation
No	c Comp etenci es	ct Area	's Level Does/ Show s how/ Know	Competen	Objective		Domain	Levels	know/ desirable to know/Ni ce to	Learning Method	Formative	Summati
Hom .UG- HP-	Integr ation of	Semis olid Vehic les	how/ Know Know s	Selecting a particular semi-solid	1.Define	Vehicle	Cognitiv e	Level 1 Recall	Must know	1.Lecture Demonstrati ons	1.Structured Oral Examination	LAQ SAQ MCQ

1.21. 1 Hom .UG- HP- 1.21. 2 Hom .UG- HP- 1.21. 3 Hom .UG- HP- 1.21. 4	Synth esis and Applic ation of knowl edge Proble m formul ation	Know s how Know s	vehicle for preparation or dispensing of homoeop athic medicines.	2.Classify vehicles 3. List all the semisolid vehicles used in homoeopathy 4. Explain the preparation, properties and uses of all semi-solid vehicles	Level 2 Understand ing Level 2 Understand ing Level 2 Understand ing	Must Know Must Know	2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem based learning	2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks question 6.SAQ's and LAQ's	Viva Voce
Hom .UG- HP-	Classr oom to lab transf er	Does		5. Select the appropriate semisolid vehicle for dispensing of	Level 3 Problem solving	Must Know			

1.21. 5		homoeopathic medicines, preparation of external applications etc.						
Hom .UG- HP- 1.21. 6	Does	6. Identify the given semi-solid vehicle.	Cognitiv e	Level 3 Problem solving	Must know	1.Practical Demonstrati on 2.Procedural Skills Teaching	1.DOPS 2. OSPE	Practical Examina tion / Checklist
Hom .UG- HP- 1.21.	Show s how	7. Estimate the purity of the given semisolid vehicle.	Psychom otor	Level 2 Control	Must know	3. ProblemBasedLearning4.Experientiallearning		
Hom .UG- HP- 1.21.	Show s how	8.Demonstrate care and commitment in preparing & dispensing of homoeopathic	Affective	Level 1 Receiving	Nice to know	1.Lecture Demonstrati on 2.Procedural Skills Teaching	1.DOPS	Practical Examina tion Checklist

		medicine	with		3. Problem
		accuracy			Based
					Learning
					4. Experiential learning
					5. Practical Demonstrati on

TOPIC: External Applications

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to prescribe an external application as per the scope and limitations of external applications.

Sr.	Generic	Subject	Miller's	Specifi	Specifi	Bloom'sD	Guilber	Must to	Teaching -	Assessment		Integra
No	Competen	Area	Level	С	С	omain	t's	know/	Learning	/Evaluation		tion
	cies		Does/	Compe	Learnin		levels	KIIOW/	Method			
			Shows	tencies	a			desirab		Formative	Sum	
				CONTROL	Objecti						mativ	
			how/		Objecti			le			e	
			Knows		ves							
			how/ Know									

								to know/N ice to know				
Hor .UG		External Applicatio	Knows	Prescri bing an	1.Defin e	Cognitive	Level 1	Must know	1.Lecture Demonstratio	1.Structured Oral	LAQ SAQ	Horizo ntal
HP-	Knowledge	ns		externa	Externa		Recall	KIIOW	ns	Examinatio	MCQ	with
1.22	Synthesis and Applicatio n of knowledge			applica tion as per its scope and limitati ons	Applica tion				 Small Group Discussions/ Peer teaching (Think-Pair-Share, Jigsaw Strategy) Quiz Student 	n 2. Tutorials 3. Assignmen ts 4. MCQ's 5. 2 marks question 6.SAQ's	Viva Voce	Organo n of Medici ne
	formulatio n								Seminars 5. Guest Lecture	and LAQ's		

Hom		Knows	2. List	Level 1	Must	6. Problem		
.UG- HP- 1.22. 2	Classroom to lab transfer		all the externa I applica tions used in homoe opathy	Recall	know	based learning 7. Flipped Classroom		
Hom .UG- HP- 1.22.		Knows	3. Explain the prepara tion &uses of specific homoe opathic externa l applica tions	Level 2 Unders tanding	Must			

Hom .UG- HP- 1.22.	Knows	4. Explain the scope & limitati ons of externa l applica tions in homoe opathy	Level 2 Unders tanding	Must know		
Hom .UG- HP- 1.22.	Does	5. Select the approp riate vehicle for prepara tion of externa I applica tion.	Level 3 Proble m solving	Must know		

Hom .UG- HP- 1.22.	Does	6. Select approp riate externa I applica tion as per the case.		Proble m solving	Desirab le to Know				
Hom .UG- HP.1 .22.7	Does Shows how	7.Demo nstrate the prepara tion of specific externa l applica tions	Psychomo	Level 2 Control	Must	1.Practical Demonstratio n 2.Procedural Skills Teaching 3. Problem Based Learning 4. Experiential learning	1.DOPS 2. OSPE	Practi cal Exami natio n / Check list	

Hom	Shows how	8.Dem	Affective	Level 1	Nice to	1.Lecture	1.DOPS	Practi	
Hom .UG- HP- 1.22. 8	Shows how Does	onstrat e care and commit ment in prepari ng & dispens ing of externa I applica tion with	Affective	Level 1 Receivi ng	Nice to know	Demonstration 2.Procedural Skills Teaching 3. Problem Based Learning 4. Experiential learning 5. Practical	1.DOPS	Practi cal Exami natio n / Check list	
		accurac y				Demonstratio n			

TOPIC: Metrology

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select appropriate scale of measurement in the homoeopathic pharmaceutical laboratory.

Sr.	Generic	Sub	Miller's	Specific	Specific	Bloom's	Guilbe	Must to	Teaching - Learning	Assessment /	Evaluation
No	Competen cies	ject Are	Level Does/	Competen cies	Learning Objectives	Domain	rt's levels	know/	Method	Formative	Summative
		a	Shows					desirabl			
			how/					е			
			Knows					to			
			how/					know/N			
			Know					ice to			
								know			
Hom	Problem	Met	Knows	Must be	1.	Cognitiv	Level	Must	1.Lecture	1.Structure	LAQ SAQ
.UG-	solving	rolo		able to	Enumerate	е	1	Know	Demonstrations	d Oral	MCQ Viva
HP-		gy		select	the		Recall		2. Small Group	Examinatio	Voce
1.23.	Duahlana			appropriat	different				Discussions/	n	
1	Problem formulatio			e scale of measurem	scales of measureme				Peer teaching	2. Tutorials	
	n			ent in the	nt for				(Think-Pair-Share,	3.	
				homoeop	preparation				Jigsaw Strategy)	Assignment	
				athic	of				3,	S	
	Integratio			pharmace	homoeopat				3. Quiz		
	n of			utical	hic drugs					4. MCQ's	
					_						

	Knowledg		laboratory				4. Problem Based learning	5. 2 marks question	
	е		•				5. Flipped classroom		
	Synthesis and applicatio n of knowledg e								
	Classroom to lab tyransfer								
Hom .UG- HP- 1.23. 2		Knows		2. Explain the different scales of measureme nt for preparation of	Level 2 Under standi ng	Must Know			

			homoeopat hic drugs			Mari			
Hom .UG- HP- 1.23.		Does	3. Select appropriate scale of measureme nt for preparation of homoeopat hic drugs.		Level 3 Proble m solvin g	Must Know			
Hom .UG- HP- 1.23. 4		Does	4. Measure the given quantity of the drug substance and vehicle for preparation of homoeopat hic medicines	Psycho motor	Level 3 Auto matis m	Must know	 Practical Demonstrations Experiential Learning 	1. DOPS 2. OSPE	Viva Voce & Practical Examinations / Checklist

Hom	Shows	5.Show care	Affectiv	Level	Must	1. Lecture	1.DOPS	Theory &
.UG- HP-	how	while measuring	е	2 Respo	know	Demonstration 2. Practical	2.OSPE	Practical Examinatio
1.23. 5		the drugs for preparation of homoeopat		nd		Demonstration		n / Checklist
		hic medicines						

TOPIC: Potentisation& Scales of Potentisation

Learning Outcomes (LO): At the end of the topic of Potentisation, I-BHMS student must be able to:

10. Prepare Homoeopathic Medicine according to the scale.

Sr.	Generi	Subj	Miller's	Specifi	Specific	Bloom'	Guilbert's	Must to	Teaching -	Assessment		Integration
No	С	ect	Level	С	Learning	S	level	knowl	Learning	/Evaluation		
	- Compe tencies	Area	Does/ Shows how/ Knows how/ Know	Compe tencies	Objectives	Domai n	level	know/ desirab le toknow /Nice to	Method	Formative	Summati ve	
								know				

NG- HP- solution 1.24. 1	Hom	Proble	Pote	Knows		1. Explain	Cogniti	Level 2	Must	1.Lecture	1.Structur	LAQ	Organon of
HP- 1.24. n Integra tion of knowle dge Practic e based learnin g and improvement HP- 1.24. 2 Synthe sis and Applica tion of sis and a sis and a sis and Applica tion of sis and a sis and a sis and a sis and Applica tion of sis and a s							ve	Understa	Know	Demonstration			
Integra tion of knowle depath in grace eboth in the scale. Practic e based learnin grand improvement Hom .UG-HP-1.24. Synthe sis and Applica tion of light and applicable and app			tion		-					S	Examinati		Horizontal
Integra tion of knowle dge Practic e based learnin g and improv ement 1.24. Synthe sis and Applica tion of land and Applica tion of line and Applica tion of land and the land at the land and the land at the land and the land an		n											
Integra tion of knowle dge Practic e based learnin J.UG-HP- 1.24. Synthe sis and Applica tion of knowle dge Synthe sis and Applica tion of knowle dge Integra tion of knowle daccordi ne accordi ne accordi ne accordi ne accordi ng to the accordi ng to the scale. Share, Jigsaw Strategy) 4. SAQ's and LAQ's 5. MCQ's Synthe sis and Applica tion of Synthe sis and Applica tion of Medici ne accordi ne accordi ne accordi ng to the scale. Share, Jigsaw Strategy) 4. SAQ's and LAQ's 5. Student Seminars 6.Study Tour (Field Visit) on 7. Integrated Teaching with Organon of Medicine 3. Small Group Discussions/Pe er teaching (Think-Pair- Share, Jigsaw Strategy) 5. MCQ's 1.Structur ed Oral Examinati on Tutorials Assignme					С	•							
knowle dge Practic e based learnin g and improv ement HP-1.24. 2 Synthe sis and Applica tion of Applica tion of Applica tion of Applica to the scale. Applica tion of Assignme nts Ass		-								· ·			
dge										·			
Practic e based learnin g and improv ement HP- 1.24. Share, Jigsaw Strategy) 4. SAQ's and LAQ's 4. Problem based learning 5. MCQ's 5. MCQ's 6.Study Tour (Field Visit) 7. Integrated Teaching with Organon of Medicine 7. Integrated Touroials 7. Integrated Teaching with Organon of Medicine 8. Share, Jigsaw Strategy) 4. SAQ's and LAQ's 5. MCQ's 6.Study Tour (Field Visit) 7. Integrated Teaching with Organon of Medicine 8. Share, Jigsaw Strategy) 4. SAQ's and LAQ's 5. MCQ's 6.Study Tour (Field Visit) 7. Integrated Teaching with Organon of Medicine 8. Share, Jigsaw Strategy) 9. Must Know 1. Structur ed Oral Examinati 1. Structu											_		
Practic e based learnin g and improv ement HOM .UG-HP-1.24. 2 Synthe sis and Applica tion of		age								,			
Hom Jug- HP- 1.24. 2 Synthe sis and Applica tion of Sissing and learning of the sis and Applica tion of Sissing and tion of Sissing S										_			
Hom .UG-HP- 1.24. Synthe sis and Applica tion of Sister and Sister at the sister and sign of the sister and sign		e based											
HP- 1.24. Synthe sis and Applica tion of line and solution and solution are superscript. The two methods potentisati on the two methods potentisati on methods potentisati on solution and solution are superscript. The two methods potentisati on methods potentisati on solution are superscript. The two methods potentisati on solutions are superscript. The two methods potential superscript. The two methods potentisations are superscript. The two methods potentisations are superscript. The two methods potential superscript. The two methods potential superscript. The two methods are superscript. The t	Hom	g and		Knows		2.Explain	Cogniti	Level 2	Must		1.Structur		
HP- 1.24. Synthe sis and Applica tion of methods potentisati on nding nding nding nding nding 6.Study Tour Examinati on 7. Integrated Teaching with Organon of Medicine 3. Assignme	.UG-					the two	ve	Understa	Know	Seminars	ed Oral		
Synthe sis and Applica tion of Application tion of	HP-	Ciricii								· •	Examinati		
sis and Applica tion of Medicine 7. Integrated 2. Teaching with Tutorials Organon of Medicine 3. Assignme						'				(Field Visit)	on		
Applica tion of tion o	2	Synthe				on				7. Integrated	2.		
tion of Medicine 3. Assignme										_	Tutorials		
Assignme										5	3.		
		tion of								Medicine			
											_		

	knowle dge							4. SAQ's and LAQ's 5. MCQ's		
Hom .UG- HP- 1.24.	Classro om to lab Practic al skills	Does	3. Select the appropriate vehicles used for potentisati on.	Cogniti ve	Level 3 Problem solving	Must Know		DOPS Spotting OSPE Assessme nt of PBL		
Hom .UG- HP- 1.24. 4		Shows How	4. Demonstra te trituration according to the scale of potentisati on.	Psycho motor	Level 3 AUTOMA TISM	Must Know	 Practical Demonstration Procedural Skills Teaching 	1.DOPS 2. OSPE	Practical Examina tion / Checklist	
Hom .UG- HP-		Shows How	5. Demonstra te succussion according	Psycho motor	Level 3 AUTOMA TISM	Must Know	 Practical Demonstration Procedural Skills Teaching 	1.DOPS 2. OSPE		

1.24. 5		to the scale of potentisati on.							
Hom .UG- HP- 1.24.	Shows How	-	Psycho motor	Level 3 AUTOMA TISM	Must Know	 Practical Demonstration Procedural Skills Teaching 	1.DOPS 2. OSPE		
Hom .UG- HP- 1.24.	Knows how Shoes how		Affectiv e	Level 1 RECIEVIN G	Nice to Know	Practical Demonstration	DOPS	Practical Examina tion / Checklist	

TOPIC: Old Methods of Preparation of Homoeopathic Drugs

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to prepare the homoeopathic medicines as per the old methods.

Sr. No	Generic	Subject	Miller	Specif	Specific	Bloom's	Guilbert'	Must	Teaching -	Assessment /E	valuation
	Competen	Area	s Level Does/Show s how/Know s how/Know	ic Comp etenci es	Learning Objectives	Domain	s Levels	to know/ desira ble to know/ Nice to know	Learning Method	Method	Type (Formativ e /Summati ve)
Hom.U G-HP- 1.25.1	Problem solution Integratio n of Knowledg e Synthesis and applicatio	Old Methods of Preparati on of Homoeo pathic Drugs	Knows	Must be able to prepa re the homo eopat hic medic ines as per the	1. Classify Old Methods of preparation of homoeopathi c drugs.	Cognitiv	Level 2 Understa nding	Must	1.Lecture Demonstratio ns 2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz	1.Structured Oral Examination 2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks question	LAQ SAQ MCQ, Viva Voce(For mative & Summativ e)

Hom.U G-HP- 1.25.2	n of knowledg e	Know s	old meth ods	2.Enlist the fundamental rule, drug strength, drug: vehicle ratio nature of drug	Level 1 Recall	Must know	Seminars	6.SAQ's and LAQ's 7.Projects	
	Classroom to lab transfer Practice based learning			substances & 5 examples of drugs under Class I-IX according to Old methods.			learning 7. Flipped Classroom		
Hom.U G-HP- 1.25.3	and improvem ent	Know s		3. Explain the preparation &potentisati on of mother tinctures under class I-IV according to the scale.	Level 2 Understa nding	Must know			

Hom.U	Know	4.Explain the		Level 2	Must			
G-HP- 1.25.4	S	preparation &potentisati on of mother solutions under Class V & VI according to the scale.		Understa nding	know			
Hom.U G-HP- 1.25.5	Knows	5.Explain the potentisation of mother substances under Class VII, VIII & IX according to the scale.		Level 2 Understa nding	Must know			
Hom.U G-HP- 1.25.6	Does	6. Demonstrate the preparation of mother tincture under Class I- IV according	Psycho motor	Level 3 Automati sm	Must know	 Practical Demonstrations Procedural Skills Teaching 	1. DOPS 2. OSPE	Practical Examinati on / Checklist (Formativ e/Summat ive)

		to Old Methods.				
Hom.U G- HP.1.25 .7	Does	7. Demonstrate the potentisation of mother tincture according to the scale under Class I-IV according to Old Method.	Level 3 Automati sm	Must Know		
Hom.U G-HP- 1.25.8	Does	8. Demonstrate the preparation of mother solution under Class V-VI according to Old Methods.	Level 3 Automati sm	Must Know		

Hom.U G-HP- 1.25.9	Does	9. Demonstrate the potentisation of mother solution according to the scale under Class V-VI according to Old Method	Level 3 Automati sm	Must Know		
Hom.U G-HP- 1.25.10	Does	10. Demonstrate the potentisation of mother substances according to the scale under Class VII, VIII & IX according to Old Method.	Level 3 Automati sm	Must Know		

Hom.U	Show	11.Demonstr	Affectiv	Level 1	Nice to	1. Practical	DOPS	Practical
G-HP-	s how	ate care &	e	Receivin	know	Demonstratio		Examinati
1.25.11		commitment				n		on /
		in preparing		g				Checklist
		and						(Formativ
		dispensing						e/Summat
		medicine						ive)
		with						
		accuracy						
		according to						
		the scale and						
		Class under						
		Old Methods.						

TOPIC: New Methods of Preparation of Homoeopathic Drugs

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to prepare the homoeopathic medicines as per the new methods.

Sr. No	Generic	Subject	Miller'	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching -	Assessment /Eva	aluation
	Compe tencies	Area	s Level	Compete ncies	Learning Objectives	Domain	Levels	know/	Learning Method	Formative	Summati ve
			Does/ Show					desirab Ie			
			S								
			how/ Know								

HomU	Proble	New	s how/ Know	Must be	1. Define	Cognitiv	Level 1	to know/N ice to know	1.Lecture	1.Structured	LAQ
G-HP- 1.26.1	m solutio n Integra tion of Knowle dge	Method s of Preparat ion of Homoeo pathic Drugs	S	able to prepare the homoeo pathic medicine s as per the new methods	Maceratio n & Percolatio n.	e	Recall	know	Demonstrations 2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz	Oral Examination 2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks	SAQ MCQ Viva Voce
HomU G-HP- 1.26.2 HomU G-HP- 1.26.3	Synthe sis and applica tion of knowle dge		Know s Know s		2. Explain the process of maceratio n 3.Explain the process of percolation		Level 2 Understan ding Level 2 Understan ding	Must know Must know	4. Student Seminars 5. Guest Lecture 6. Problem based learning 7. Flipped Classroom	question 6.SAQ's and LAQ's 7.Projects	

HomU		K	<now< th=""><th>4.Different</th><th></th><th>Level 2</th><th>Must</th><th>8. Videos</th><th></th><th></th></now<>	4.Different		Level 2	Must	8. Videos		
G-HP- 1.26.4	Classro om to lab transfe r	S	s how	iate between old & new methods of preparatio n of homoeopa thic drugs		Understan ding	know			
HomU	e based	K	<now< td=""><td>5.Different</td><td></td><td>Level 2</td><td>Must</td><td></td><td></td><td></td></now<>	5.Different		Level 2	Must			
G-HP- 1.26.5	learnin g and improv ement	S	s how	iate between maceratio n & percolation in detail.		Understan ding	know			
HomU		K	<now< td=""><td>6. Define</td><td></td><td>Recall</td><td>Must</td><td></td><td></td><td></td></now<>	6. Define		Recall	Must			
G-HP- 1.26.6		S	5	the terms- merc, magma,			know			
				menstrum						
HomU				7.	Psychom	Level 2		1. Practical	1.DOPS	Practical
G-HP-				Demonstra	otor	Control		Demonstrations	2.OSPE	Examina
1.26.7		С	Does	te the preparatio n of					3.Projects	tion / Checklist

		mother tincture by maceratio n			Must know	2. ProceduralSkills Teaching3.ExperientialLearning		
HomU G-HP- 1.26.8	Does	8.Demonst rate the preparatio n of mother solution by percolation		Level 2 Control	Must know			
HomU G-HP- 1.26.9	Does	9. Demonstra te the towing of a percolator		Level 2 Control	Desirab le to know			
HomU G-HP- 1.26.1 0	Show s how	10.Demons trate care &commit ment in preparing	Affective	Level 1 Receiving	Nice to know	 Lecture Demonstration Practical Demonstration 	DOPS	Practical Examina tion / Checklist

of State of
homoeopa
thic
medicine
with
accuracy
according
to the New
methods of
preparatio
n of
homoeopa
thic drugs.

TOPIC: Pharmaconomy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to select appropriate route of administration of homoeopathic medicines.

			Bloom's	Must to	Assessment /Evaluation

Sr.	Generic	Subject	Miller	Specific	Specific	Domain	Guilbert's	know/	Teaching -	Formative	Summativ
No	Compet encies	Area	's Level Does / Show s how/ Kno ws how/ Kno w	Compete	Learning Objectives		Levels	desirab le to know/N ice to know	Learning Method		e
Hom UG- HP- 1.27.1	Integrat ion of Knowle dge Synthes is and applicat	Pharmac onomy	Kno ws	Must be able to select appropria te route of administr ation of homoeop	the different routes of administrati	Cognitiv e	Level 1 Recall	Must know	1.Lecture Demonstratio ns 2. Small Group Discussions/ Peer teaching (Think-Pair-	1.StructuredOralExamination2. Tutorials3.Assignments	LAQ SAQ MCQ Viva Voce

Hom UG- HP- 1.27.2	ion of knowle dge Classro om to	Kno ws	athic medicines	2. Explain the different routes of administrati on of homoeopath ic medicines.		Level 2 Understand ing	Must know	Share, Jigsaw Strategy) 3. Quiz 4. Flipped Classroom 6. Videos	4. MCQ's5. 2 marks question6.SAQ's7.Projects	
Hom UG- HP- 1.27.3	Clinic transfer	Does		3. Select appropriate route of administrati on of homoeopath ic medicines according to the case		Level 3 Problem solving	Desirab le to know			
Hom UG- HP- 1.27.4		Show s how		4. Administer the homoeopath ic medicine through appropriate route of administrati	Psycho motor	Level 2 Control	Nice to know	 Practical Demonstrations Experiential Learning Projects 	 Case based assessment Simulation based assessment 	Viva Voce

			on according to the case				4. Case basedLearning5. Simulationteaching			
Hom		Kno	5.Show care	Affectiv	Level 2	Desirab	1. Lecture	Case based		
UG-		WS	while	е	Respond	le to	Demonstratio	assessment	MCQ \	Viva
HP-		how	administerin		Respond	know	n	2. Simulation	Voce	
1.27.5			g				2. Practical	based		
			homoeopath ic medicine				Demonstratio	assessment		
			via different				n			
			routes				3. Case based			
							Learning			
							4. Simulation teaching			

TOPIC: Dispensing of Medicines

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be to

- 1. Select an appropriate dosage form for dispensing of homoeopathic medicines.
- 2. Dispense homoeopathic medicine to patients.

Sr.	Generic	Subje	Miller's	Specific	Specific	Bloom's		Must to	Teaching -	Assessment /	Evaluation
No	Compete ncies	ct Area	Level Does/ Shows how/ Knows how/ Know	Competen	Learning Objectives	Domain	Levels	know/ desirab le to know/N ice to know	Learning Method	Formative	Summativ e
					_						
Hom	Problem	Dispe	Knows	Select an		Cognitiv	Level 1	Must	1.Lecture	1.Structure	LAQ SAQ
UG-	solution	nsing		appropriat		е	Recall	know	Demonstratio	d Oral	MCQ Viva
HP-		of		e dosage	dosage forms.		Recair		ns	Examinatio	Voce
1.28.		homo		form for					2. Small Group	n	
1	Integratio	eopat		dispensin					Discussions/	2. Tutorials	
	n of	hic		g of					-		
	Knowled	medic		homoeop					Peer teaching	•	
	ge	ines		athic					(Think-Pair-	Assignment	
				medicines					Share, Jigsaw	S	
				-					Strategy)	4. MCQ's	
	Synthesis								3. Quiz	T	
	and										
	Applicati										

Hom UG- HP- 1.28. 2	on of Knowled ge Classroo m to	Knows	Dispense homoeop athic medicine to patients		Level 2 Understand ing	Must know	 4. Student Seminars 5. Problem based learning 6. Guest Lecture 	5. 2 marks question 6.SAQ's and LAQ's	
Hom UG- HP- 1.28.	OPD/IPD/ Pharmac y transfer	Knows		3. Explain the various modes for dispensing of liquid dosage forms	Level 2 Understand ing	Must know			
Hom UG- HP- 1.28.		Knows		4. Enlist the vehicles used for dispensing of various dosage forms	Level 1 Recall	Must know			
Hom UG- HP- 1.28.		Knows		5. Explain the quality assurance while dispensing homoeopathic medicines.	Level 2 Understand ing	Nice to know			

Hom	Shows	6.	Psycho	Level 2		1.Practical	1.DOPS	Practical
UG- HP- 1.28. 6	how Does	Demonstrate the dispensing of liquid dosage forms	motor	Control	Must know	Demonstration 2.Procedural Skills Teaching 3. Problem	2. OSPE	Examinati on / Checklist
Hom UG- HP- 1.28.	Shows how Does	7. Demonstrate the dispensing of solid dosage forms		Level 2 Control	Must know	Based Learning 4. Experiential learning		
Hom UG- HP- 1.28. 8	Does	8. Demonstrate care and commitment while dispensing of homoeopathic medicines.	Affectiv e	Level 1 Receiving	Nice to know	1.Lecture Demonstratio n 3. Problem Based Learning	1.DOPS	Practical Examinati on / Checklist

TOPIC: Placebo

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to indicate placebo in a particular case

				Must to	Assessment /Evaluation

Sr. No	Generic Compet encies	Subjec t Area	Mille r's Level Does / Sho ws how/ Kno ws how/ Kno ws	Specific Competen cies	Specific Learning Objectiv es	Bloom 's Domai n	Guilbert's levels	know/ desirable to know/Nice to know	Teaching - Learning Method	Formative	Summ	ative
Hom UG- HP- 1.29.	Proble m solution Integrat ion of Knowle dge	Placeb o	Kno ws	Must be able to indicate placebo in a particular case	1. Define Placebo	Cognit	Level 1 Recall	Must Know	1.Lecture Demonstrations 2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Case based	1.Structured Oral Examination 2. Tutorials 3. Assignments 4. MCQ's 5. 2 marks	LAQ MCQ Voce	SAQ Viva
Hom UG- HP-	Synthes is and applicat		Kno ws		2. Enumera te the vehicles		Level 1 Recall	Must Know	learning	question 6.SAQ's, 7.Projects		

1.29. 2	ion of knowle dge		used as placebo			
Hom UG- HP- 1.29.	Classro om to clinic transfer	Kno ws	3. Explain the indicatio ns of placebo	Level 2 Understan ding	Must Know	
Hom UG- HP- 1.29.		Does	4.Select a placebo for a particular case	Level 3 Problem solving	Must Know	

TOPIC: Preservation of Homoeopathic Medicines

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to preserve homoeopathic medicines for long shell life.

Sr.	Generi	Subject	Miller'	Specific	Specific	Bloom's	Guilbert'	Must to	Teaching -	Assessment /E	valuation
No	c Compe tencies	Area	s Level Does/ Show s how/	Compet encies	Learning Objectives	Domain	s Levels	know/ desirable	Learning Method	Method	Type (Formative /Summativ e)

			Know s how/ Know		_		to know/Nice to know			
Hom UG- HP- 1.30.	Integra tion of Knowle dge	Preserv ation of Homoe opathic medici ne	Know s	Must be able to preserve homoeo pathic medicine	1. Enumerate the different methods of preservation of homoeopathic medicines	Level 1 Recall	Must Know	1.Lecture Demonstrati ons 2. Small Group Discussions/	1.Structured Oral Examination 2. Tutorials 3.	LAQ SAQ MCQ Viva Voce(Form ative &Summativ e)
Hom UG- HP- 1.30. 2	Synthe sis and applica tion of knowle dge		Know s	s for long shell life	2. Explain the individual method of preservation of homoeopathic medicine.	Level 2 Understa nding	Must Know	Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz	Assignments 4. MCQ's 5. 2 marks question 6.SAQ's	
Hom UG- HP- 1.30.	Classro om to Clinic transfe r		Does		3. Select an appropriate mode of preservation of homoeopathic medicines.	Level 3 Problem solving	Must Know		7.Projects	
	Practic e based learnin									

	g and improv ement								
Hom UG- HP- 1.30.		Does	4. Demonstrate the method of preservation of mother substances & preparations	•	Level 2 Control	Desirable to Know	 Practical Demonstrations Procedural Skills Teaching 	Viva Voce Practical Examination	(Formative/ Summative)
Hom UG- HP- 1.30.		Does	5. Demonstrate the method of preservation of potentised homoeopathic medicines			Desirable to Know	3.Experientia I Learning 4. Projects		
Hom UG- HP- 1.30.		Does	6. Demonstrate the method of preservation of homoeopathic mother tinctures			Desirable to Know			

			A. (()		NI:				540	/E :: /
Hom	Show	7.Show care &		Level 2		0	1.	Lecture	SAQ,	(Formative/
UG- HP- 1.30. 7	s how	commitment while preserving homoeopathic preparations and potentised medicine.	e	Respond	know		on 2.	Practical nonstrati	2 marks question Projects Assignments Tutorials Viva Voce Practical Examination	Summative)

TOPIC: Pharmacovigilance and adverse drug reaction

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to identify any adverse drug reaction and comprehend the necessity of pharmacovigilance in homoeopathy

			Bloom's	Must to	Assessment /Evaluation

Sr.	Generic	Subject	Miller's	Specific	Specific	Domain	Guilber	know/	Teaching -	Formative	Summativ
No	Competen	Area	Level	Competen	Learning		t's	desirable	Learning		е
	cies		Does/	cies	Objectives		levels	acsirable	Method		
			Shows					to			
			how/					know/Ni			
			Knows					ce to			
			how/ Know					know			
Hom	Problem	Pharma	Knows	Must be	1. Define	Cognitiv	Level 1	Must	1.Lecture	1.Structure	LAQ SAQ
UG-	solution	covigila		able to	adverse drug	е	Recall	Know	Demonstrati	d Oral	MCQ Viva
HP-		nce and		identify	reaction		Recall		ons	Examinatio	Voce
1.31.		adverse		any					2. Small	n	
1	Integration	drug		adverse					Group	2. Tutorials	
Hom	of	reaction	Knows	drug	2. Enumerate		Level 1	Must	Discussions/		
UG-	Knowledge			reaction	the types of		Darall	Know	Peer	3.	
HP-				Comprehe	adverse drug		Recall		teaching	Assignment	
1.31.	Synthesis			nd the of	reactions				(Think-Pair-	S	
2	and			pharmaco					Share, Jigsaw	4. MCQ's	
	application			vigilance					Strategy)	5. 2 marks	
Hom	of		Knows	in	3. Explain the		Level 2	Must		question	
UG-	knowledge			homoeop athy	management		Unders	Know	3. Case based		
HP-				atriy	of adverse		tanding		learning	6.SAQ's,	
1.31.					drug reactions in					7.Projects	
3					homoeopathy						
					,						

Hom	Classroom	Knows	4.Define	Level 1	Desirabl		
UG-	to clinic		pharmacovigil	Recall	e to		
HP-	transfer		ance	Recair	Know		
1.31.							
4							
Hom		Knows	5.Explain in	Level 2	Desirabl		
UG-			detail the	Unders	e to		
HP-			process of	tanding	know		
1.31.			pharmacovigil .	carraing			
5			ance in				
			Homoeopathy				

TOPIC: Doctrine of Signature

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to apply doctrine of signature while selecting a Homoeopathic simillimum.

Sr.	Gener	Subj	Miller's	Specifi	Specific	Domain	Guilbe	Must to	Teaching -	Assessment /Eva	aluation
No	ic Comp etenci es	ect Area	Level Does/ Shows how/ Knows how/ Know	c Comp etenci es	Learning Objectives		rt's Levels	know/ desirable to know/Nice toknow	Learning Method	Formative	Summativ e

Hom	Proble	Doct	Knows	Must	1. Define	Cognitiv	Level 1	Must	1.Lecture	1.Structured	LAQ SAQ
UG-	m	rine		be	Doctrine of	e		Know	Demonstrations	Oral	MCQ Viva
HP- 1.32.	formu lation	of Sign ature		able to apply doctri	Signature		Recall		2. Small Group Discussions/	Examination 2. Tutorials	Voce
Hom UG- HP- 1.32.	Integr ation of Knowl edge	desic	Knows	ne of signat ure while selecting a	2. Explain doctrine of signature with suitable examples		Level 2 Under standi ng	Must Know	Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Quiz	3. Assignments4. MCQ's5. 2 marks question	
Hom UG- HP- 1.32. 3	Synth esis and applic ation of knowl edge		Knows how	Homo eopat hic simili mum	3. Apply the logic behind doctrine of signature in patients showing the same signs particularly in one sided case.		Level 3 Proble m solving	Nice to know	4. Student Seminars 5. Case based learning 6.Case Simulation 7. Experiential Learning	6.SAQ's7.Projects8.Assessment of case9. Simulation assessment	
Hom UG- HP- 1.32.	euge		Shows how		4.Select a remedy for a one -sided case based on the doctrine of signature		Level 3 Proble m solving	Nice to know			

Hom	Shows	5.Demonstrate	Affectiv	Level 2	Nice t	0	1. Case bas	ed	1. Assessment	Viva Voce
UG-	hows	care,	е	Respo	know		learning		of case	
HP-		professionalism		nd			2. Ca	ise	2. Simulation	
1.32.		&commitment while					Simulation		assessment	
5		prescribing on					3.Experiential			
		the basis of					Learning			
		doctrine of					_			
		signature								

TOPIC: Drug Proving

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to prove a given drug on healthy human being

Sr. No	Generic Compete	Subj ect	Miller's Level	Specifi c	Specific Learning	Bloom's Domain	Guilbert' s level	Must to know/	Teaching - Learning	Assessment /Evaluation		Integra tion
	ncies	Area	Does/ Shows how/ Knows how/ Know	Compe tencies	Objectives			desirable to know/Ni ce to know	Method	Method Formative	Type (Sum mativ e)	
HomUG- HP- 1.33.1		Dru g	Knows	Proving a given drug on healthy	1. Define Drug Proving.	Cognitiv e	Level 1 Recall	Must Know	1.Lecture Demonstrati ons	1.Structur ed Oral	LAQ SAQ MCQ	Horizo ntal with Organo

HomUG- HP- 1.33.2	Problem Solution Integrati on of	Prov ing	Knows	human being	2. Illustrate the qualities of an ideal prover.	Cognitiv e	Level 1 Recall	Must Know	2. Small Group Discussions/ Peer teaching	Examinati on 2. Tutorials 3.	Viva Voce	n of Medici ne
HomUG- HP- 1.33.3	Knowled ge Synthesi s and applicati on of knowled ge		Shows how		3. Apply the selection criteria (inclusion & exclusion) for provers during drug proving.	Cognitiv e	Level 3 Problem Solving	Desirabl e to know	(Think-Pair-Share, Jigsaw Strategy) 4. Quiz 5. Student Seminars 6. Guest Lecture	Assignme nts 4. MCQ's 5.SAQ's and LAQ's 6. 2 marks questions		
HomUG- HP.1.33.	Problem solving		Knows		4. Explain the methodology for drug proving.	Cognitiv e	Level 2 Understa nd	Must Know	7. Integrated Teaching with Organon of Medicine			
HomUG- HP- 1.33.5			Does		5. Design the protocol for Drug Proving.	Cognitiv e	Level 3 Problem Solving	Nice to know	1. Lecture Demonstrati on	1.Simulati on based assessme nt	LAQ SAQ MCQ Practi cal Exami	

HomUG-	Does	6. Select ideal	Level 2	Must	2.Procedural	natio
HP-		prover for drug	Control	know	Skills	n /
1.33.6		proving	Control		Teaching	Check
					3. Problem	list
					Based	
					Learning	
					4. Role Plays	
HomUG-	Does	7. Prepare the	Level 2	Desirabl	,	
HP-		test substance for drug	Control	e to know	5. Experiential	
1.33.7		proving.		KIIOW	learning	
		p. cg.				
HomUG-	Does	8. Formulate	Level 2	Nice to	6. Team based	
HP-		the team for	Control	know	learning	
1.33.8		drug proving	Control			
HomUG-	Does	g. Record the	Level 2	Nice to		
HP-		symptoms of	Control	know		
1.33.9		drug proving	Control			
HomUG-	Does	10. Interprete	Level 2	Nice to		
HP-		the provers	Control	know		
1.33.10		symptoms	Control			
LI a mal I C	Dana	. Tue e elete	Laval	NI: a a l a		
HomUG- HP-	Does	11. Translate the provers	Level 2	Nice to know		
1.33.11		symptoms in	Control	KIIUW		
55.==		Materia				

			Medica language							
HomUG- HP- 1.33.12	Show	/S	12. Show professionalis m and care during drug proving towards the provers.	Affectiv e	Level 2 Respond ing	Nice to know	 Lecture Demonstrati on Procedural Skills Teaching Problem Based 	1.Simulati on based assessme nt	LAQ SAQ MCQ Practi cal Exami natio n / Check	
HomUG- HP- 1.33.13	Does		13. Value the privacy & integrity of the provers.		Level 3 Internali ze	Nice to know	Learning 4. Role Plays 5. Experiential learning		list	
HomUG- HP- 1.33.14	Does		14. Value the consent of the prover.		Level 3 Internali ze	Nice to know	6. Team based learning			
HomUG- HP- 1.33.15	Does		15. Value the ethical considerations		Level 3 Internali ze	Nice to know				

proving.				i proving.						
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TOPIC: Posology

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to

- 1. Select a particular potency for a particular case.
- 2. Select a particular dose for a particular case.
- 3. Repeat the dose as per the criteria for repletion of doses.

Sr. No	Generic	Sub	Miller'	Specific	Specific	Bloom'	Guilbert'	Must to	Teaching -	Assessment /E	valuation	Integrati
	Compe	ject	s Level	Compete		S	s Levels	know/	Learning Method			on
	tencies	Are a	Does/ Shows how/ Knows how/ Know	ncies	Objectives	Domai n		know/ desirab le to know/N ice to know		Formative	Type (Summativ e)	

Hom	Proble	Pos	Knows	Selectin	1.Define	Cogniti	Level 1	Must	1.Lecture	1.Structured	LAQ SAQ	Horizont
UG-	m	olo		g a	posology	ve	Recall	Know	Demonstrations	Oral	MCQ Viva	al with
HP-	solutio	gy		particula			Recall		2. Small Group	Examination	Voce	Organon
1.34.1	n			r					Discussions/	2. Tutorials		of
				potency						21 100011013		Medicine
				for a					Peer teaching	3.		
	Integra			particula					(Think-Pair-	Assignments		
	tion of Knowle			r case. Selectin					Share, Jigsaw Strategy)	4. MCQ's		
	dge			g a particula					3. Quiz	5. 2 marks question		
	Practic			r dose for a particula					4. Student Seminars	6.SAQ's and LAQ's		
Hom	e based learnin		Knows	r case.	2.Explain		Level 2	Must	5. Guest Lecture			
UG- HP- 1.34.2	g and improv ement			Repeatin g the dose as per the criteria	the criteria for selection of potency		Understa nd	know	6. Integrated Teaching with Organon of Medicine	7. Simulation based assessment		
	Synthe sis and			for repletion of doses.					7. Case based learning	8. Case based assessment		
Hom UG- HP- 1.34.3	applica tion of knowle dge		Knows how	or doses.	3.Apply the criteria for selection of potency for a particular case.		Level 3 Problem solving	Desirab le to know	8. Case simulation learning			

Hom UG- HP- 1.34.4	Classro om to OPD/IP D transfe r	Knows	4. Enlist the different types of doses	Level 1 Recall	Must know				
Hom UG- HP- 1.34.5		Knows	5. Explain the criteria for repetition of doses.	Level 2 Understa nding	Must know				
Hom UG- HP- 1.34.6		Shows how	6.Apply the criteria for repetetion of doses for a particular case.	Level 3 Problem Solving	Desirab le to know				
Hom UG- HP- 1.34.7		Does	7. Choose the correct potency for a particular case	Level 3 Problem Solving	Desirab le to know	 Lecture Demonstration Procedural Skills Teaching 	1.Simulation based assessment2. Case based assessment	LAQ SAQ MCQ Practical Examinati on / Checklist	

Hom UG- HP- 1.34.8		Does	8. Choose the proper dosage for a particular case	Level 3 Problem Solving	Desirab le to know	3. Problem Based Learning 4. Experiential learning 5. Team based learning 6.Case based learning 7. Case simulation learning	3. OSPE	
Hom UG- HP- 1.34.9		Does	9. Design the dosage and repetition for a particular case	Level 3 Problem Solving	Nice to know			

Hom UG- HP- 1.34.1 0	Shows		Affecti ve	Level 2 Respond	Nice to know	1.Lecture Demonstration 2.Procedural Skills Teaching 3. Problem Based Learning 4. Experiential	1.Simulation based assessment	LAQ SAQ MCQ Practical Examinati on / Checklist	
Hom UG- HP- 1.34.1	Shows	11. Value the privacy & integrity of the patient/cas e		Level 3 Internali ze	Nice to know	learning 5. Team based learning 6. Case based learning 7. Case simulation learning			
Hom UG- HP- 1.34.1 2	Shows	12. Value the ethical considerati ons during selection of potency, dose and repetition of doses		Level 3 Internali ze	Nice to know				

Hom UG- HP- 1.34.1	Shows how	13. Value the importance of rational prescription	Level 3 Nice to know ze	
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TOPIC: Prescription Writing

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must have knowledge of writing an ideal prescription

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching -	Assessment /	Evaluation
No	Compete ncies	Area	Level Does/ Shows how/ Knows how/ Know	Competen cies	Learning Objectives	Domain	Level	know/ desirable to know/Ni ce to know	Learning Method	Formative	Summativ e

Hom	Integratio	Prescri	Knows	Writing an	1.Define	Cognitiv	Level 1	Must	1.Lecture	1.Structure	LAQ SA	Q
UG-	n of	ption		ideal	Prescription	e	Darall	Know	Demonstratio	d Oral	MCQ Viv	va
HP-	Knowled	Writing		prescripti	writing.		Recall		ns	Examinatio	Voce	
1.35.	ge			on					2. Small Group Discussions/	n 2. Tutorials		
	Practice								Peer teaching	3.		
Hom	based		Knows		2.Explain the		Level 2	Must	(Think-Pair-	Assignment		
UG-	learning				parts of an		Understan	Know	Share, Jigsaw	S		
HP-	and				ideal		ding		Strategy)	4. MCQ's		
1.35. 2	improve ment				prescription.		amg		3. Quiz 4. Student	5. 2 marks		
Hom			Knows	1	3. List the		Level 1	Must	Seminars			
UG-	Synthesis				abbreviation			Know		6.SAQ's		
HP-	and				s used in		Recall		5. Guest	and LAQ's		
1.35.	applicatio				prescription				Lecture			
3	n of				writing with				6. Case based			
	knowledg				meaning.				learning			
	е								7. Case			
Hom			Knows	-	4. Explain the		Level 2	Must	simulation			
UG-					advantages			Know	learning			
HP-	Problem				of		Understan					
1.35.	solution				prescription		ding					
4	501011011				to the							
					patients and							

Hom UG- HP- 1.35.	Classroo m to OPD/IPD Transfer	Sho	nows ow	to the physician. 5. Critically analyse a prescription for any faults.		Level 3 Problem solving	Nice to know			
Hom UG- HP- 1.35.		Do	Des	6. Write an ideal prescription	Psychom otor	Level 2 Control	Must know	 Lecture Demonstratio n 2.Procedural Skills Teaching 3. Problem 	1.Simulatio n based assessment 2. Case based assessment	LAQ SAQ MCQ Practical Examinati on / Checklist
Hom UG- HP- 1.35. 7		Sho	nows ow	7. Criticize a wrong prescription	Cognitiv e	Level 3 Problem solving	Nice to know	Based Learning 4. Experiential learning 5. Team based learning 6.Case based learning	3. OSPE	

							7. Case simulation learning8. Practical Demonstrationn		
Hom UG- HP- 1.35. 8		Shows how	8.Show professionali sm and commitment while writing a prescription with accuracy.	Affective	Level 2 Respond	Nice to know	1.Lecture Demonstratio n 2.Procedural Skills Teaching 3. Problem Based Learning 4. Experiential learning 5. Team based	1.Simulatio n based assessment	LAQ SAQ MCQ Practical Examinati on / Checklist
Hom UG- HP- 1.35.			9. Value the privacy & integrity of the prescription.		Level 3 Internalize	Nice to know	learning 6. Case based learning		

Hom UG- HP-	10. Value the ethical consideratio	Level 3 Internalize	Nice to know	7. Case simulation learning	
1.35. 10	ns during writing a prescription			8. Practical Demonstratio n	
Hom UG- HP- 1.35.	11. Value the importance of rational prescription	Level 3 Internalize	Nice to know		

TOPIC: Legislation

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to follow and practice ethically all the laws that govern homoeopathic pharmacy.

Sr.	Generic	Subje	Miller's	Specific	Specific learning	Bloom's	Guilbert'	Must to	Teaching -	Assessment /	Evaluation
No	Compet encies	ct Area	Level Does/ Shows how/ Knows how/ Knows	Competen cies	Objectives	Domain	s Levels	know/ desirable to know/Ni ce to know	Learning Method	Formative	Summativ e
Hom	Integrati	Legisl	Knows	Must be	1.List all the acts	Cognitiv	Level 1	Must	1.Lecture	1.Structure	LAQ SAQ
UG-	on of	ation		able to	that govern the	е	Recall	know	Demonstratio	d Oral	MCQ Viva
HP-	Knowled			follow and	legal aspects of		Recall		ns	Examinatio	Voce
1.36.	ge			practice	homoeopathic				2. Small Group	n	
1				ethically all the	pharmacy.				Discussions/	2. Tutorials	

Hom UHP - 1.36. 2 Hom UG-HP-1.36. 4	Synthesi s and Applicati on of knowled ge Problem solution	Knows	laws that govern homoeop athic pharmacy.	2. Illustrate the provisions under the Drugs & Cosmetic Act 3. Illustrate the provisions under the Schedule M1 4. Illustrate the provisions under the Drugs & Magic Remedies Act	1	Level 2 Understanding Level 2 Understanding Level 2 Understanding	Must know Must know Must know	Peer teaching (Think-Pair-Share, Jigsaw Strategy) 3. Quiz 4. Student Seminars 5. Guest Lecture 6. Problem based learning 7. Flipped Classroom	3. Assignment s 4. MCQ's 5. 2 marks question 6.SAQ's and LAQ's
Hom UG- HP- 1.36.		Knows		5. Illustrate the provisions under the Medicinal & Toilet Preparation Act	ι	Level 2 Understa nding	Must know		

Hom UG- HP- 1.36.	Knows	pro the	llustrate the visions under Dangerous igs Act		Level 2 Understa nding	Must know			
Hom UG- HP- 1.36.	Knows	pro the of II Nar &	llustrate the visions under Prevention licit Traffic in rcotic Drugs Psychotropic estances Act		Level 2 Understa nding	Must know			
Hom UG- HP- 1.36.	Knows	pro the Hor	moeopathic itral Council		Level 2 Understa nding	Must know			
Hom UG- HP-	Does Shows how	the hon	emonstrate labelling of noeopathic dicine	Psycho motor	Level 2 Control	Must know	1.Practical Demonstratio n	1.DOPS 2. OSPE	LAQ SAQ MCQ Practical Examinati

1.36. 9		according to Part IX of the Drugs & Cosmetic Act 1940				2.Procedural Skills Teaching 3. Problem Based Learning 4. Experiential learning		on / Checklist
Hom UG- HP- 1.36.	Knows	10.Demonstrate care and commitment and abide by the provisions laid down in the various acts.	Affectiv e	Level 1 Receivin g	Nice to know	1.Lecture Demonstratio n 3. Problem Based Learning	Role Play Assessment	LAQ SAQ MCQ Practical Examinati on / Checklist

TOPIC: Drug Action

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to differentiate the different mechanisms of drug action of homoeopathic medicines

9	Sr.	Generi	Subj	Miller's	Specific	Specific	Bloom's	Guilbert's	Must to	Teaching -	Assessment /E	valuation
١	۷o	c Comp etenci	ect Area	Level Does/ Shows	Competen cies	learning Objectives	Domain	Levels	know/ desirable	Learning Method	Formative	Summative
		es		how/ Knows					desirable			

			how/ Know					to know/Nice to know				
Hom UG- HP- 1.37.1	Integra tion of Knowl edge Synthe sis and	Drug Actio n	Knows how	Must be able to differentia te the different mechanis ms of drug action of	1. Classify the different types of drug action.	Cognitiv e	Level 2 Understan ding	Nice to Know	1.Lecture Demonstratio ns 2. Small Group Discussions/ Peer teaching (Think-Pair-	1.Structured Oral Examination 2. Tutorials 3. Assignments	LAQ MCQ Voce	SAQ Viva
Hom UG- HP- 1.37. 2	applica tion of knowl edge		Knows	homoeop athic medicines	2. Explain the individual family drug action according to their sphere of action.		Level 2 Understan ding	Desirable to Know	Share, Jigsaw Strategy) 3. Quiz 4. Flipped Classroom 6. Videos	 4. MCQ's 5. 2 marks question 6.SAQ's 7.Projects 8. Spotting 		
Hom UG- HP- 1.37.3	Classr oom to Clinic transfe r		Knows		3. Explain the individual family drug action according to nature of		Level 2 Understan ding	Desirable to Know	7. Integrated Teaching			

			drug & family relationship.						
Hom UG- 1.37. 4 Hom UG- HP- 1.37. 5		Does	4. Analyze the action of drug on patients. 5. Co-relate the action of drugs with the family characteristic s.	Cognitiv e	Level 3 Problem solving	Nice to know Nice to know	Demonstrations 2.Experiential Learning	 Spotting Pharmacological action of 30 drugs as specified in journal Projects 	Practical Examinatio n / Checklist
Hom UG- HP- 1.37. 6		Knows	6.Show care in prescribing homoeopathic medicine based on action of drugs and	Affective	Level 2 Respond	Must know	1. Lecture 2. Integrated teaching of Pharmacologic al drug action with Materia Medica	Journal Assessment	

	drug			
	relationships.			

TOPIC: Relation of Pharmacy with Materia Medica

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to correlate homoeopathic pharmacy with Materia Medica, Anatomy and Physiology

Sr. No	Generic	Subject	Miller's	Specific	:	Specific	Bloo	Guilbert'	Must to	Teaching -	Assessme	
	Competencies	Area	Level	Compet	te	Learning	m's	s Levels	know/	Learning	nt	
			Does/	ncies		Objectives	Doma		KIIOW/	Method	/Evaluatio	
			Shows				in		desirable		n	
			how/ Knows				111		to		Form	Summa
			how/						know/Nice to		ative	tive
			Know						10			
									know			
HomUG-	Problem	Relation	Knows	Must	be	1. Explain the	Cogni	Level 2	Desirable to	1.Lecture	1.Structur	LAQ
HP	formulation	of		able	to	correlation of	tive	Understa	Know	Demonstr	ed Oral	SAQ
1.38.1		Pharmacy		correlat	e.	homoeopathic		nding		ations	Examinati	MCQ
1.30.1		with		homoed	ор	pharmacy with		liulig		2. Small	on	Viva
				athic		the basics of				Group		Voce
				pharma	су	Homoeopathic				Groop		

	Integration of Knowledge	Materia Medica		with material medica, Anatomy	Materia Medica.				Discussion s/ Peer teaching	2.Tutorials3.Assignme	
HomUG- HP- 1.38.2	Synthesis and application of knowledge		Knows	Physiolog y	2. Explain the correlation of homoeopathic pharmacy with the basics of Anatomy			Desirable to Know	(Think- Pair- Share, Jigsaw Strategy) 3. Quiz	nts 4. MCQ's 5. 2 marks question 6.SAQ's,	
HomUG- HP- 1.38.3			Knows		3. Explain the correlation of homoeopathic pharmacy and Physiology			Desirable to Know	4. StudentSeminars5. FlippedClassroom	LAQ's 7.Projects	
HomUG- HP- 1.38.4			Knows how		4.Apply the principles of posology during case taking after selection of similimum based on knowledge of	Cogni tive	Level 3 Problem Solving	Desirable to know	1. Practical Demonstr ation 2. Lecture Demonstr ation	1. DOPS 2. OSPE 3. Evaluation of projects 4. Evaluation	LAQ SAQ MCQ Practic al Examin ation /

		Homoeopathic Materia			3.	of case	Checkli
HomUG- HP- 1.38.5	Knows	Materia Medica. 5. Apply the knowledge of drug action based on familial relationship and remedy relationship as noted in Homoeopathic Materia Medica and organ affection with anatomy		Desirable to know	Experime ntal Research projects 4. Case based learning 5. Problem based learning 6. Case simulation	based learning 5. Evaluation of PBL 6. Evaluation of Case simulation	st
HomUG-	Knows	6. Apply the		Desirable to			
HP-	how	knowledge of		know			
1.38.6		sources of drugs and					
		collection of					

HomUG- HP- 1.38.7	Knows	drugs while preparation of homoeopathic medicines according to the scale of potentisation. 7. Apply the knowledge of pharmacologic al action of drugs with the normal physiology of human body			Desirable to know			
HomUG- HP- 1.38.8	Knows	8.Demonstrat e care, professionalis m & commitment & follow all the guidelines meticulously as given in 6 th edition of	Affect ive	Level 1 Receivin g	Nice to know	1. Practical Demonstr ation 2. Lecture Demonstr ation	1. DOPS 2. OSPE 3. Evaluation of projects 4. Evaluation of case	Viva Voce

	Organon of	3. based
	medicine while	Experime learning
	selecting a	ntal
	particular	Research 5.
	homoeopathic	Evaluation
	medicine in a	of PBL
		4. Case 6.
	particular	l hased l l
	potency.	learning Evaluation
		of Case
		5. simulation
HomUG-	9.	Problem
HP-	Demonstrate	based
1.38.9	care,	learning
	professionalis	6. Case
	m &	simulation
	commitment	Simolation
	& follow all the	
	guidelines	
	meticulously	
	as given in 6 th	
	edition of	
	Organon of	
	medicine while	
	preparation of	
	homoeopathic	
	medicine	
	according to	

			the scale of			
			potentisation.			
			poteritisation.			
	-					
HomUG-			10.			
HP-			Demonstrate			
1.38.10			care,			
			professionalis			
			m &			
			commitment			
			& follow all the			
			guidelines			
			meticulously			
			as given in 6 th			
			edition of			
			Organon of			
			medicine while			
			prescribing a			
			particular			
			external			
			application for			
			a particular			
			-			
			case.			

HomUG-			11. Should			
HP-			ensure that all			
1.38.11			the resources			
			are used to the			
			fullest without			
			any wastage			
			while			
			preparing			
			homoeopathic			
			medicine.			

TOPIC: Recent advancements and scope of research in Homoeopathic Pharmacy

Learning Outcomes (LO):

At the end of the topic, I-BHMS student must be able to undertake a short term research in Homoeopathic Pharmacy

Sr.	Generic	Subject	Miller's	Specific	Specific	Bloom's	Guilbert'	Must to	Teaching -	Assessment /Eva	aluation
No	Compe tencies	Area	Level Does/ Shows how/ Knows	Compete ncies	Learning Objectives	Domain	s levels	know/ desirable	Learning Method	Formative	Summati ve

			how/ Know					to know/Nice toknow			
Ho mU G- HP- 1.39 .1 Ho mU G- HP- 1.39	Proble m solutio n Integra tion of Knowle dge Synthe sis and applica	Recent advance ments and scope of research in Homoe opathic Pharma cy	Knows	Must be able to undertak e a short term research in Homoeo pathic Pharmac y	1.Enumerate the types of research in homoeopathi c pharmacy 2.Explain the recent advancemen ts in the field of	Cognitiv e	Level 1 Recall Level 2 Understanding	Desirable to know	1.Lecture Demonstratio ns 2. Small Group Discussions/ Peer teaching (Think-Pair- Share, Jigsaw Strategy) 3. Visit to research laboratories	1.Structured Oral Examination 2. Assignments 3. MCQ's 4.SAQ's	LAQ SAQ MCQ Viva Voce
Ho mU G- HP-	tion of knowle dge Classro om to lab		Does		homoeopathi c pharmacy 3.Design the protocol for a short term research proposal in		Level 3 Problem solving	Desirable to know			

1.39	transfe		homoeopathi			
-3	r		c pharmacy			

Non-Lecture Activities

- 1. Collection of 30 drugs for herbarium
- 2. Visit to a Large-scale manufacturing unit of Homoeopathic medicine (GMP compliant).
- 3. Visit to a Medicinal Plant /Botanical Garden & shall keep details Visit report
- 4. Clinical Class: Visit to IPD, OPD to take note on prescriptions as per Homoeopathic Principles and keep record
- 5. Visit to Hospital dispensing section to observe & gain knowledge on Dispensing techniques & Keep Records

8. PRACTICAL TOPICS

Hom	oeopathic Pharmacy Practicals
Sr No.	
INO.	Particulars of Experiments
1	Estimation of size of globules
2	Medication of globules (Small Scale)

3	Purity test of Sugar of milk
4	Purity test of water
5	Purity test of Ethyl alcohol
6	Determination of Specific gravity of a given liquid Vehicle & identifying the same.
7	Preparation of dispensing alcohol from strong alcohol.
8	Preparation of dilute alcohol from strong alcohol.
9	Trituration of drug in Old Method (One each of Class VII, VIII & IX)
10	Trituration of one drug as per HPI
11	Succussion in decimal scale from Mother Tincture (Prepared in Old Method) to 3X potency.
12	Succussion in decimal scale from Mother Tincture (Prepared in New Method) to 3X potency
13	Succussion in centesimal scale from Mother Tincture (Prepared in Old Method) to 3C
14	Succussion in centesimal scale from Mother Tincture (Prepared in New Method) to 3C
15	Conversion of Trituration to liquid potency: Decimal scale 6X to 8X potency.
16	Conversion of Trituration to liquid potency: Centesimal scale 3C to 4C potency.
17	Preparation of o/2 potency (Solid form) (LM scale) of 1 Drug from 3 rd Degree Trituration.
18	Preparation of external applications – Lotion
19	Preparation of external applications – Glycerol
20	Preparation of external applications – Liniment

21	Preparation of external applications – Ointment
22	Writing of prescription & Dispensing the Medicine in Water with preparation of Doses
23	Writing of prescription & Dispensing the Medicine in Sugar of Milk with Preparation of Doses
24	Preparation of mother tinctures according to Old Hahnemannian method (Class I, II, III, IV)
25	Preparation of mother solutions according to Old Hahnemannian method (Class Va, Vb, VIa, VIb)

Demonstration

- 1. Homoeopathic pharmaceutical instruments and appliances with their cleaning (List provided in Appendix C)
- 2. Estimation of moisture content using water bath
- 3. Paper chromatography & TLC of any mother tincture
- 4. Laboratory methods Sublimation, distillation, decantation, filtration, crystallization.
- 5. Preparation of mother tincture Maceration and Percolation
- 6. Study & demonstration of Drug Substances (listed in Appendix B)-
- i)Macroscopic Characteristic (Any 15)
- ii) Microscopic characteristic (Any 05)
- 7. Study & demonstration of vehicles (Solid, Liquid & Semi solid as available)
- 8. Microscopical study of Trituration (One drug up to 3X Potency)
- 9. Medication of Globule (Large Scale)

Activities

- 1. Collection of 30 drugs for herbarium
- 2. Visit to a Large-scale manufacturing unit of Homoeopathic medicine (GMP compliant).
- 3. Visit to a Medicinal Plant /Botanical Garden & shall keep details Visit report
- 4. Clinical Class: Visit to IPD, OPD to take note on prescriptions as per Homoeopathic Principles &keep record
- 5. Visit to Hospital dispensing section to observe & gain knowledge on Dispensing techniques & Keep Records

Demonstration

- 1. Homoeopathic pharmaceutical instruments and appliances with their cleaning (List provided in Appendix C)-o6 Hours
- 2. Estimation of moisture content using water bath-o2 Hours
- 3. Paper chromatography & TLC of any mother tincture-o4 Hours
- 4. Laboratory methods Sublimation, distillation, decantation, filtration, crystallization.-04 Hours
- 5. Preparation of mother tincture Maceration and Percolation- 04 Hours
- 6. Study & demonstration of Drug Substances (listed in Appendix B)- 10 Hours
- i)Macroscopic Characteristic (Any 15)
- ii) Microscopic characteristic (Any 05)
- 7. Study & demonstration of vehicles (Solid, Liquid & Semi solid as available)- o2 Hours
- 8. Microscopical study of Trituration (One drug up to 3X Potency)-02 Hours
- 9. Medication of Globule (Large Scale)-1 Hour

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- o7 Hours

9. ASSESSMENT

Assessment Summary

9A- Number of papers and Mark Distribution

Sr.	Course Code	Papers	Theory	Practical	Viva	Internal	Electi	ives	Grand
No.					Voce	Assessment-	Grade	e	Total
						Practical	Obtai	ined	
1	HomUG-HP	1	100	50	40	10			100

9B - Scheme of Assessment (formative and Summative)

Sr. No	Professional Course	1 st term (1-6 Months)	2 nd Term (7-12 Months)	3 rd Term (13-18	Months)
1	First Professional BHMS	First PA + 1 ST TT	2 nd PA+2 ND TT	3 rd PA	UE

PA: Periodical Assessment; TT: Term Test; UE: University Examinations

9C - Evaluation Methods for Periodical Assessment

Sr. No	Evaluation Criteria

1	Practical Performance
2	Viva Voce, MCQs, MEQ(Modified Essay Questions/Structured Questions)

9 D- Paper Layout

MCQ	10 marks	15 min
SAQ	50 marks	85 min
LAQ	40 marks	8o min

9 E-I - Distribution of Theory exam

Sr. No	Paper			D		
				Type of Quest	ions	
				"Yes" can be a	isked.	
				"No" should n	ot be asked.	
	A	В	С	MCQ	SAQ	LAQ
	List of Topics	Term	Marks	(1 Mark)	(5	(10 Marks)
					Marks)	

1	General Concepts and Orientation	I	Refer	Yes	Yes	No
2	Raw Material: Drugs and Vehicles	I	Next Table	Yes	Yes	Yes
3	Homoeopathic Pharmaceutics	II		Yes	Yes	Yes
4	Pharmacodynamics	III		Yes	Yes	Yes
5	Quality Control	II		No	Yes	No
6	Legislations pertaining to Homoeopathic Pharmacy	III		No	No	Yes
7	Homoeopathic Pharmacy - Relationships	III		No	Yes	No

9 E – II - Theme table

Theme*	Topics	Term	Marks	MCQ's	SAQ's	LAQ's
A	General Concepts and Orientation	I	11	Yes	Yes	No
В	Raw Material: Drugs and Vehicles	I	25	Yes	Yes	Yes
С	Homoeopathic Pharmaceutics	II	23	Yes	Yes	Yes
D	Pharmacodynamics	III	16	Yes	Yes	Yes
Е	Quality Control	II	10	No	Yes	No
F	Legislations pertaining to Homoeopathic Pharmacy	III	10	No	No	Yes
G	Homoeopathic Pharmacy - Relationships	III	05	No	Yes	No

9 F Question paper Blueprint

Α	В	Question Paper Format
Question Serial Number	Type of Question	(Refer table 7 F II Theme table for themes)
Q1	Multiple choice Questions	1. Theme A
	(MCQ)	2. Theme B
	10 Questions	3. Theme B
	1 mark each	4. Theme B
	All compulsory	5. Theme B
	Must know part: 6 MCQ	6. Theme B
	Desirable to know: 2 MCQ.	7. Theme C
	Nice to know: 2 MCQ	8. Theme C
		g. Theme C
		10. Theme D

Q ₂	Short answer Questions	1. Theme A
	(SAQ)	2. Theme A
	10 Questions	3. Theme B
	5 Marks Each	4.Theme B
	All compulsory	5. Theme C
	Must know part: 10 SAQ	6. Theme C
	Desirable to know: Nil	7. Theme D
	Nice to know: Nil	8. Theme E
		g. Theme E
		10. Theme G
Q ₃	Long answer Questions	1. Theme B
	(LAQ)	2. Theme C
	4 Questions	3. Theme D
	10 marks each	4. Theme F
	All compulsory	
	All questions on must know	
	No Questions on Nice to know and Desirable to know	

9 G - Distribution of Practical Exam

Practical, Viva & Internal Assessment → 100 marks

Spotting	20 marks
Experiment	20 marks
Journal	10 marks
Viva voce	40 marks
Internal assessment	10 marks

10. LIST OF RECOMMENDED BOOKS

Text Books

- 1. Dr. Partha Mandal & Dr. Biman Mandal, A Textbook of Homoeopathic Pharmacy, Revised and Enlarged 3rd Edition, 2012, New Central Book Agency Publishers.
- 2. Dr. D.D. Banerjee, Augmented Textbook of Homoeopathic Pharmacy, 2 nd Edition, 2012, B. Jain Publishers.
- 3. Dr. K.P. Mujumdar, Textbook of Homoeopathic Pharmacy, 2013, New Central Book Agency Publishers

Reference Texts

- 1. Banerjee SK & Sinha N. (Reprint edition, 1993). A Treatise on Homoeopathic Pharmacy. B Jain Publishers, New Delhi.
- 2. Govt. of India, Ministry of Health & Family Welfare, New Delhi (1971 to 2006). Homoeopathic Pharmacopoeia of India (1-9 Vol.)
- 3. Hughes R (Reprint edition, 1999). A Manual of Pharmacodynamics. B Jain Publishers, New Delhi.
- 4. Dr. P.N. Verma & Dr. (Mrs.) InduVaid, Encyclopaedia of Homoeopathic Pharmacopoeia, Vol- I,II,III, Edition 2002,B. Jain Publishers.

APPE	APPENDIX – A				
List o	f drugs included in the syllabus of Homoeopathic F	harma	ncy for study of Pharmacological action: -		
1.	Aconitum Napellus	16.	Glonoinum		
2.	Adonis vernalis	17.	Hydrastis Canadensis		
3.	Allium cepa	18.	Hyoscyamus niger		
4.	Argentum Nitricum	19.	Kali bichromicum		
5.	Arsenicum album	20.	Lachesis		
6.	Atropa Belladonna	21.	Lithium carbonicum		
7.	Cactus grandifloras	22.	Mercurius corrosivus		
8.	Cantharis vesicatoria	23.	Najatripudians		
9.	Cannabis indica	24.	Nitricumacidum		
10.	Cannabis sativa	25.	Nux vomica		
11.	Cinchona officinalis	26.	Passiflora incarnate		
12.	Coffea cruda	27.	Stannummetallicum		
13.	Crataegus oxyacantha	28.	Stramonium		
14.	Crotalus horridus	29.	Symphytum officinale		
15.	Gelsemium sempervirens	30.	Tabacum		

APPENDIX – B

List of drugs for identification

i. Vegetable Kingdom

- 1. Aegle folia
- 2. Anacardium orientale
- 3. Andrographis paniculata
- 4. Calendula officianlis
- 5. Cassia sophera
- 6. Cinchona officinalis
- 7. Cocculus indicus
- 8. Coffea cruda
- 9. Colocynthis
- 10. Crocus sativa
- 11. Croton tiglium
- 12. Cynodondactylon
- 13. Ficus religiosa
- 14. Holarrhenaantidysenterica
- 15. Hydrocotyle asiatica
- 16. Justicia adhatoda

17.	Lobelia inflata				
18.	Nux vomica				
19.	Ocimum sanctum				
20.	Opium				
21.	Rauwolfia serpentina				
22.	Rheum				
23.	Saraca indica				
24.	Senna				
25.	Stramonium				
26.	Vinca minor				
ii. Cher	nicals or Minerals				
1.	1. Acetic acid				
2.	Alumina				
3.	Argentum Metallicum				
4.	Argentum Nitricum				
5.	Arsenicum Album				
6.	Calcarea Carbonica				
7.	Carbo Vegetabilis				
8.	Graphites				

	9.	Magnesium Phosphoric
	10.	Natrum Muriaticum
	11.	Sulphur
iii.	Anima	al Kingdom
	1.	Apis mellifica
	2.	Blatta orientalis
	3.	Formica rufa

Appendix C							
List of Instrument & Appliances for Demonstration & Study							
Crucible with lid	Test Tube	Tripod stand	Hot Air Oven				
Porcelain Basin	Conical Flask	Wire gauze	Water bath				
Mortar & Pestle Porcelain	Volumetric flask	Spatula	Macerating Jar				
Ointment Slab	Minim glass	Leather pad	Percolator				

Sepia

5.

Tarentula cubensis

Chemical Balance	Thermometer	Stop watch	Microscope
Hydrometer	Mortar & Pestle - Glass	Chopping Board	pH Meter
Alcoholometer	Glass Phials	Chopping Knife	Burette
Lactometer	Pyknometer	Sieve	Pipette
Spoon	Measuring Cylinder	Tincture Press	Dropper
Beaker	Graduated Conical Flask	Funnel	Glass Rod

Appendix – D (List of Important Vehicles for Study)

Appendix – D (List of Important Vehicles for Study)				
Solid	Liquid	Semisolid		
Sugar of Milk	Water	Vaseline		
Globules	Ethyl Alcohol	Beeswax		
Tablets	Glycerine	Lanolin		
Cane Sugar	Olive Oil	Spermaceti		
	Simple Syrup	Isin glass		
	Lavender Oil, Sesame Oil, Rosemary Oil, Almond Oil			

Appendix E

Format for Maintaining Record on visit to Homoeopathic Manufactory (GMP Compliant)

Date of Visit

No. of Visiting Students & Teaching Faculty

Name of Teaching Faculty

Detail of the Instructor/s at the Manufactory

How the Tour was arranged

Name & Location of the Homoeopathic Manufactory

History about the Manufactory

Different Sections of the manufactory with its working process

Activities of R&D Dept

How the visit helped in correlation with topics studied in Theory

Conclusion

(Any other related information, not mentioned in format, if required can be included)

Appendix F

Format for Maintaining Record on visit to Medicinal Plant Garden

Date of the Visit

No. of visiting Students & Teaching Faculty

Name of Teaching Faculty

Detail of Instructor/s

How the Tour was arranged

Name & Location of the Medicinal Plant Garden

History & about the Medicinal Plant Garden

A list Medicinal Plants seen with brief description,

Conclusion

Appendix G

Format for maintaining record on Hospital Activities (Visit to OPD/IPD & Dispensing Section)

Record on Prescriptions based on Homoeopathic Principles in IPD/OPD

No of Cases: Total 10 cases (5 Acute, 5 Chronic)

Format -

Patient ID

Complaint

Diagnosis

Details of 1st Prescription – Name of Medicine, Potency, Dose with its Repetition,

Second Prescription (if Record is available)

Conclusion at the end of Acute & Chronic Cases on Lessons learnt on Homoeopathic Principles

Record on Activities/Posting in Hospital Dispensing Section

Total No. of Patients Date wise,

SI No as per Prescription Register,

Dosage form- Liquid/solid,

Name of Vehicle used,

Medication Process etc

Conclusion at the end on Lessons learnt on Homoeopathic Dispensing Techniques

Appendix H

Format for Maintaining record on Departmental Seminars

Maintenance of Record on Seminar Presentation on Topics of Homoeopathic Pharmacy as assigned

Circular/Notice of Departmental Seminar

Title of Topic for Presentation,

Date

Presented by Name of Student/s

Brief Report on the Seminar

Any New Information provided by the Speakers

Rating on a Scale of 10

No of Students & Faculty Members attending the Seminar

Photos

Signed by the Departmental Head

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