

Physiology including Biochemistry
Course outcomes

The course "Medical physiology including biochemistry, at I BHMS is of one year and taught in 200 lectures and 275 practical hours as per guideline of central council of homoeopathy.

The purpose of a course in physiology is to teach the functions, processes and inter-relationship of different organs and systems of the normal human organism as a necessary introduction to their disturbance in disease and to equip the student with The physiology is taught from the standpoint of description of vital phenomenon and the chemico-physical processes underlying them in health.

Physiology is science of body functions- how body part work. The body is actually a social order of about 100 trillions cells organize in to different functional structures, some of which are called organs. Each functional structure contributes its share to the maintenance of homeostatic (Homeo-similar, static standing still) conditions in the extracellular fluid, which is called internal environment. As long as normal conditions are maintained in this internal environment, the body cells of the body continues to live and function properly. Each cell benefits from homeostasis, and in turn, each cell contributes it share towards the maintenance of homeostasis.

This reciprocal interplay provides continuous automatically systems loose their ability to contribute their share of function. When this happens, all cells of the body suffer. Extreme dysfunction leads to death, moderate dysfunction leads to sickness.

At the end of the course student will know-


- 1) Cellular function
- 2) Organ system function.
- 3) Integrate physiology from the cellular and molecular level to the organ system and organicsmic level of organism.
- 4) How Homeostasis is maintained, i.e. control, feedback and regulations.
- 5) Normal standards or reference for use of diagnosing and treating deviations from normal.
- 6) Laboratory experiments in physiology and Bio-chemistry help to understand the subject .
- 7) As clinical examination is taught in physiology, students must be able to do the clinical examinations.

Uparewar
HOD dept of
Physiology

3. COURSE OUTCOMES

At the end of the I BHMS course, I BHMS student should be able to;

1. Discuss the evolution of life and the developmental anatomy and genetics of human.
2. Explain the ethics of Anatomy, such as Anatomy act, Body donation & receiving procedure and its legal aspects, develop respect to the human cadaver.
3. Differentiate the structural organization of man from micro to macro and its evolution from embryo.
4. Correlate the structural organization of man with functional organization and its applied aspect.
5. Apply anatomy knowledge to achieve vertical integration with clinical subjects.
6. Correlate structural organization of man with Homeopathic Philosophy and concept of man, Homoeopathic Materia Medica, Repertory and Pharmacy.
7. Correlate structural organization in interpreting different investigations.



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DEPARTMENT OF HOMOEOPATHIC MATERIA MEDICA

COURSE OUTCOME

1ST BHMS

1. Homoeopathic Materia medica consists of a schematic arrangements of symptoms produced by each drug on healthy human beings of both sexes and different ages
2. Study of drug in detail will enable a student to study each drug individually and as a whole and help in to be a good prescriber
3. By the end of 1st bhms , students must know about basic concept , construction , sources , classification (types) and scope and limitation of HMM

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COURSE OUTCOME

HOMOEOPATHIC PHARMACY

- At the end of 1st BHMS
- 1) Students should be able to demonstrate necessary practical skills related to Hom. Pharmacy in preparation of Hom. Medicines.
- 2) Students should be able to Understand Identification of various sources of Hom. Medicines.
- 3) Students should be able to Understand Taxonomical classification & rules of collection as well as preservation of the drug substances.
- 4) Students should be able to Demonstrate Dynamisation or Potentisation.
- 5) Students should be able to understand the Posology.
- 6) Students should be able to Understand Prescription Writing.
- 7) Through Industrial visit, students should understand Good Manufacturing practices. & Industrial Pharmacy
- 8) Drug proving.
- 9) Pharmacological study of drugs.
- 10) Students must see Homoeopathic Pharmacopoeia Laboratory- its functions and activities, related to quality control of drugs & finished products
- 11) Legislation pertaining to pharmacy

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DEPARTMENT OF ORGANON OF MEDICINE & HOMOEOPATHIC PHILOSOPHY AND FOP
(UG/PG) ACADEMIC YEAR 2024-25

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COURSE OUTCOME (UG) I BHMS

- ❖ ORGANON OF MEDICINE builds conceptual base of physician. It imparts knowledge of FUNDAMENTAL PRINCIPLES to be applied in Clinical Practice.
- ❖ Organon of Medicine teaches Homoeopathy is HOLISTIC, DYNAMIC, INDIVIDUALISTIC, LOGICAL system of medicine.
- ❖ Describe the Concept of Health, Disease and Cure in Homoeopathy.
- ❖ Display qualities, Duties and Roles of a Physician as True Practitioner of Healing art.
- ❖ Recall the contributions of stalwarts in development of Homoeopathy.

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Department of FMT

Course outcome

- Knowledge & application of the legal procedure and law in relation to medical practice.
- Understand the rules of writing & issuing the medical and medico legal reports and adapt skills to prepare it in professional practice as duty of doctors.
- Associate post-mortem findings of sudden, suspicious and unnatural cases to find the nature & cause of death and the medico legal aspect for the justice in criminal cases.
- Understand the methods of identification of the person and its application in medico legal cases.
- Knowledge of the methods of examination of victim and accuse, evaluation of findings and its application in medico legal cases.
- Knowledge of the duties of doctor towards patient, society & nation in ethical manner & motivate for continuous learning attitude
- Understand the toxicological effect of poisonous substance on the human being, evaluation of the symptoms, its application in management of case of poisoning, post mortem findings and medico legal aspect of the case.



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COURSE OUTCOME (UG) II BHMS

- ❖ Student of II BHMS must have knowledge of Art of Case Taking
- ❖ Student is capable of doing Case Taking of Patient
- ❖ Student has learnt Principles of Homoeopathy with different Philosophical Approaches
- ❖ Clinical Classification of Diseases is learnt by the student
- ❖ Understand mission of a Physician & Higher purpose of Existence as per the Master's thoughts and words.
- ❖ Understand Hahnemann concept of man and integrating it with the concept from the bio-psycho-social perspective.
- ❖ Know homoeopathy as a Holistic & Individualistic medical science
- ❖ Understand the concept of dynamism and vital force to get insight in health, disease and diathesis.
- ❖ Relate concept of Prevention, Promotion & Cure with the Hahnemannian approach
- ❖ Know the Healer within the Homoeopathic Physician and work towards bringing forth the qualities of healing.

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DEPARTMENT OF HOMOEOPATHIC MATERIA MEDICA

COURSE OUTCOME

II BHMS

1. A student completing the course of 2nd BHMS he must know the basic concept , construction , and classification , types of HMM
2. Also he must know Science and philosophy of HMM
3. Different ways of studying HMM like -Physiological , pathologiocal , analytical , comparative and portrait study with comparative materia medica
4. A detail schematic study of 50 drugs from analytical, clinical , and comparative point of view
5. Commonly used drugs to be taught 1st
6. Application of materia medica should be demonstrated in their case studies recorded in their journals

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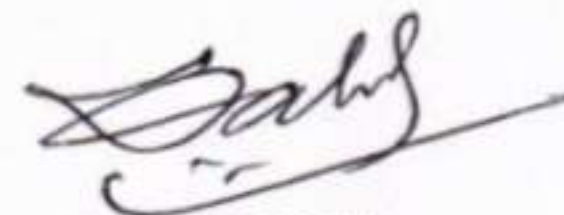
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DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

Course outcomes

At the end of the II BHMS course, the students will be able to:

1. Recognize the importance of study of Pathology and Microbiology in Homoeopathic system of medicine.
2. Understand the morphological changes in cell structure in disease and recognize the mechanism of the etiological factors in the causation of such changes.
3. Integrate the study of Pathology and Microbiology with Homoeopathic philosophy, Materia Medica, and Repertory.
4. Understand classification of diseases as per Master Hahnemann.
5. Understand common and important diseases based on their evolution, aetio-pathogenesis, pathology, progress and prognosis.
6. Develop skill in the identification of pathological features specifically histopathological features, and gross pathological specimens.
7. Able to interpret laboratory reports for diagnosis and treatment purpose.
8. Develop a positive attitude towards the role of Pathology and Microbiology in Homoeopathic system.



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DEPARTMENT OF HOMOEOPATHIC MATERIA MEDICA

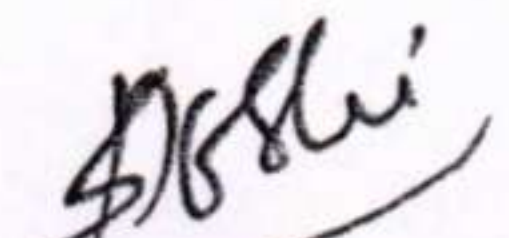
COURSE OUTCOME

III BHMS

1. By the end of 3rd BHMS course a student must know basic concept learned in 1st and 2nd BHMS
2. He need to know in detail the 78 drugs given along with their clinical , therapeutic , comparative and remedy relationship
3. He also must know the concept of nosodes – definition , types , and indications and contraindication of them
4. He must know about the concept of mother tincture and its clinical applications
5. General and detailed emphasis on the concept of constitution , temperament , diathesis also must be made clear by the students
6. Clinical and therapeutic application of the drugs studied to be applied in cases studied in OPD and IPD and recorded in the case record


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GYNAECOLOGY AND OBSTETRICS DEPARTMENT

COs of Dept of Gynaecology and Obstetrics

- CO1. On successful completion of III rd BHMS, students will be able to diagnose common gynaecological and obstetrical conditions.
- CO2. To understand preventive measures, curable and incurable methods in females' various health related issues.
- CO3. To understand high risk factors in gynaecological and obstetrical cases and its management in ethical manner.
- CO4. To judge, plan to solve the problems as the duty of physician.
- CO5 Aim is to train the students to create awareness and to serve the society.



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COURSE OUTCOME (UG) III BHMS

- ❖ Student of III BHMS must have knowledge of Drug Proving
- ❖ Student has learned thoroughly Causes and Concept of CHRONIC DISEASE AS MIASMS with its Characteristic Features
- ❖ Student has learnt Concept of Susceptibility and Posology
- ❖ Study of Auxiliary Measures is done by the student
- ❖ Understanding the Scope and Limitations of Homoeopathy
- ❖ Correlate the concept of Palliation and Suppression in management of Patients

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DEPARTMENT OF ORGANON OF MEDICINE & HOMOEOPATHIC PHILOSOPHY AND FOP
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COURSE OUTCOME (UG) IV BHMS

- ❖ ORGANON OF MEDICINE builds conceptual base of physician. It imparts knowledge of FUNDAMENTAL PRINCIPLES to be applied in Clinical Practice.
- ❖ Organon of Medicine teaches Homoeopathy is HOLISTIC, DYNAMIC, INDIVIDUALISTIC, LOGICAL system of medicine.
- ❖ It emphasizes, Homoeopathic approach in the field of Therapeutics, to study Patient as a Person, Disposition of mind and body, disease process and its causes
- ❖ It imparts Basic knowledge of Psychology to study Mind of patient which is vital aspect in case building.
- ❖ The department emphasizes co-ordination between other departments so that student is competent to handle the related cases.

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DEPARTMENT OF HOMOEOPATHIC MATERIA MEDICA

COURSE OUTCOME

IV BHMS

1. In the final year of the curriculum of UG curriculum student must know all the basic concepts and drugs studied in 1st, 2nd, 3rd BHMS
2. He must know 122 drugs more in final BHMS some of which are polycrest and some short acting drugs
3. He must understand the concept of sarcodes - definition , indication , etc.
4. He must study the drugs in different aspects like clinical , therapeutic , group study , comparative study and also remedy relationship
5. He must be able to correlate the knowledge of MM to that of organon and repertory and clinical subjects
6. He must be perfect in case taking , forming the totality of symptoms and with the help of organon , repertory and clinical subjects must arrive at proper diagnosis , prognosis and management including posology
7. Must maintain a proper clinical case record of cases seen in OPD and IPD of our institute which will give him the necessary confidence for practice

year

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Department

Practice of Medicine

CO	POM COURSE OUTCOME (UG)
CO1	Knowledge of the disease condition in completeness with appropriate utility of homoeopathic fundamentals to cater medical help to the suffering mankind to restore health in most comprehensible and complete manner
CO2	The knowledge of homoeopathic medicine should be concrete on the aspects of responsibility, ethics of the medical practice so as to sense the health hazards and its safety issues.
CO3	The medical graduates must update the knowledge regularly and must always be earnest for exploring the best curable tools for incurables, providing the most beneficial and easily assessable service to the mankind.
CO4	Pliability in correlation amongst the different medical conditions resembling/ mimicking to reach the appropriate inference to cater medical help.
CO5	Achieve the position which will help merge the disease & medicine diagnosis for best possible cure and wellbeing.
CO6	Bore information which easily allow to reach the conclusion about disease curability and prognosis.
CO7	Must bear the information regarding medicolegality and responsibility to serve the mankind selflessly, socially wholeheartedly.

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