

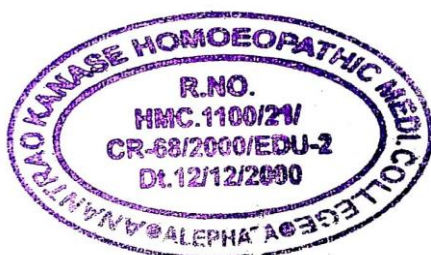
Key Indicator -2.6 Student Performance & Learning Outcome (45)

2.6.1

The institution has stated the learning outcomes (generic&programme specific) & graduate attributes as per the provisions of the Regulatory bodies & the university, which are communicated to the students through the website & other documents.

Institution has 12 different courses as follows

Sr. no	Year	Subject
1	Ist BHMS	Anatomy
2	Ist BHMS	Physiology including biochemistry
3	Ist BHMS	Pharmacy
4	IInd BHMS	Pathology
5	IInd BHMS	Forensic medicine and Toxicology
6	IInd BHMS	Organon of Medicine
7	IInd BHMS	Homoeopathic MateriaMedica
8	IIIrd BHMS	Surgery
9	IIIrd BHMS	Obstetrics and Gynecology
10	IVth BHMS	Practice of Medicine
11	IVthBHMS	Case Taking and Repertory
12	IVth BHMS	Community Medicine



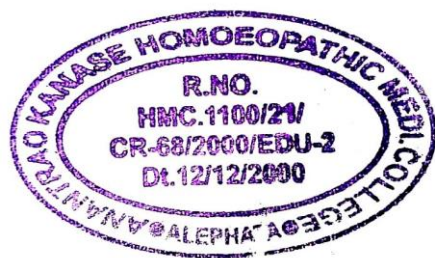
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**Program Outcomes, Program specific outcomes
For B.H.M.S. program**

Program Outcomes (PO) for Homoeopathic Graduates.

At the end of BHMS program,

) A student must develop the competencies essential for primary health care in clinical diagnosis & treatment of diseases through the judicious application of homoeopathic principals.
) Recognize the scope & limitation of homoeopathy & to apply the Homoeopathic principals for curative, prophylactic, promotive, palliative, & rehabilitative primary health care for the benefit of the individual & community.
) Discern the relevance of other systems of medical practice for rational use of cross referral & life saving measures, so as to address clinical emergencies.
) Develop capacity of clinical thinking & research aptitude as required for evidence based homoeopathic practice.
) Demonstrate aptitude for lifelong learning & develop competencies as & when conditions of practice demand.
) Be competent enough to practice homoeopathy as per medical ethics & professionalism.
) Develop the necessary communication skills to work as a team member in various healthcare setting & contribute towards the larger goals of national policies such as school health, community health, environmental conservation etc.
) To prepare competent Homoeopathic physician who is capable of functioning independently & effectively in Rural & Urban areas.
) To develop ability to apply the fundamental principles of Homoeopathy , its vital principles & its symptomatology.
0) He/ She should get skills of analysis – Evaluation, correlation between theory of chronic diseases & its patho-physiological process.
1) He / She should be able to know various diseases with miasmatic manifestations.
2) He should be able to do proper evaluation of symptoms in chronological order with proper selection of characteristic symptoms, & should be able to prepare proper Reportorial Totality.
3) After completion of program the knowledge, skills & attitude gathered in this pattern will keep him constantly aware of his objectives & his role as a Homoeopathic Physician. The integration of above will keep him up to date about all fresh scientific developments & inculcating values of continuous medical education.



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Program specific outcomes (PSOs)

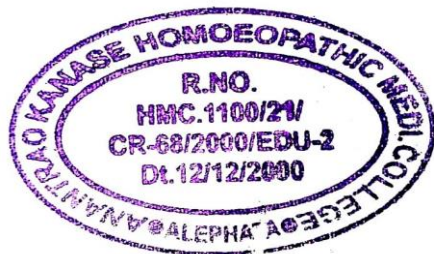
For Homoeopathic graduates

-) Understanding the concepts of Homoeopathic pharmacy, drug proving & Homoeopathic MateriaMedica with its utility in treatment.
-) Understanding Homoeopathic concepts & its utility in treating man as a whole with humility.
-) Understanding the concept of Organon of medicine & its applicability in Homoeopathic practice.
-) Understanding the concept, basic plan & construction of different Repertories along with proper analysis & evaluation of symptoms with proper selection of rubrics according to different cases.
-) Understanding & application of different software of repertories.
-) Understanding relationship of three basic pillars of Homoeopathy - Organon, MateriaMedica & Repertory.

PO/PSO	Statement of PO/PSO	Teaching-learning process
1(PO)	A student must develop the competencies essential for primary health care in clinical diagnosis & treatment of diseases through the judicious application of homoeopathic principals.	Case studies in O.P.D.& I.P.D., Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning, Interdepartmental, Interdisciplinary training, 72 Learning Lesions
2(PO)	Recognize the scope & limitation of homoeopathy & to apply the Homoeopathic principals for curative, prophylactic, promotive, palliative, & rehabilitative primary health care for the benefit of the individual & community.	Hospital visits, clinical visits, case studies in O.P.D. & I.P.D.
3(PO)	Discern the relevance of other systems of medical practice for rational use of cross referral & life saving measures, so as to address clinical emergencies.	Case studies in O.P.D.& I.P.D., Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning, Interdepartmental, Interdisciplinary training, 72 Learning Lesions
4(PO)	Develop capacity of clinical thinking & research aptitude as required for evidence based homoeopathic practice.	Case studies in O.P.D.& I.P.D., attending Lectures, Clinics & Practicals. Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning,

		Interdepartmental, Interdisciplinary training, 72 Learning Lesions.
5(PO)	Demonstrate aptitude for lifelong learning & develop competencies as & when conditions of practice demand.	Case studies in O.P.D.& I.P.D., attending Lectures, Clinics &Practicals. Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning, Interdepartmental, Interdisciplinary training, 72 Learning Lesions.
6(PO)	Be competent enough to practice homoeopathy as per medical ethics & professionalism.	Hospital visits, clinical visits, case studies in O.P.D. & I.P.D.
7(PO)	Develop the necessary communication skills to work as a team member in various healthcare setting & contribute towards the larger goals of national policies such as school health, community health, environmental conservation etc.	Case studies in O.P.D.& I.P.D., attending Lectures, Clinics &Practicals. Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning, Interdepartmental, Interdisciplinary training, 72 Learning Lesions.
8(PO)	To prepare competent Homoeopathic physician who is capable of functioning independently & effectively in Rural & Urban areas.	Case studies in O.P.D.& I.P.D., Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning, Interdepartmental, Interdisciplinary training, 72 Learning Lesions
9(PO)	To develop ability to apply the fundamental principles of Homoeopathy, its vital principles & its symptomatology.	Hospital visits, clinical visits, case studies in O.P.D. & I.P.D.
10(PO)	He/ She should get skills of analysis – Evaluation, correlation between theory of chronic diseases & its patho-physiological process.	Practical, Seminars clinical visits, case studies in O.P.D. & I.P.D.
11(PO)	He / She should be able to know various diseases with miasmatic manifestations.	Case studies in O.P.D. & I.P.D., Internship, health checkup camp, workshop, clinical teaching, CPR Modules
12(PO)	He should able to do proper evaluation of symptoms in chronological order with proper selection of characteristic symptoms, & should able to prepare proper Reportorial Totality.	Internship, health checkup camp, workshop, clinical teaching, CPR Modules

13(PSO)	After completion of program the knowledge, skills & attitude gathered in this pattern will keep him constantly aware of his objectives & his role as a Homoeopathic Physician. The integration of above will keep him up to date about all fresh scientific developments & inculcating values of continuous medical education	Case studies in O.P.D. & I.P.D., Internship, health checkup camp, workshop, clinical teaching, CPR Modules
14(PSO)	Understanding the concepts of Homoeopathic pharmacy, drugpreparation , drug proving & Homoeopathic MateriaMedica with its utility in treatment.	Workshop, Laboratory, Pharmacy field visit at Homoeopathic Pharmacy Ghaziabad, New Delhi.
15(PSO)	Understanding Homoeopathic concepts & its utility in treating man as a whole with humility.	Health checkup camp, workshop, clinical teaching, CPR Modules, Seminar.
16(PSO)	Understanding the concept of Organon of medicine & its applicability in Homoeopathic practice.	Case studies in O.P.D.& I.P.D., attending Lectures, Clinics & Practicals. Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning,
17(PSO)	Understanding & application of different software of repertories.	Case taking, Making proper Analysis & evaluation of a case, Getting proper knowledge of different software of Homoeopathic Repertories during Clinics / Practicals.
18(PSO)	Understanding relationship of three basic pillars of Homoeopathy – Organon, MateriaMedica& Repertory.	Case studies in O.P.D.& I.P.D., attending Lectures, Clinics & Practicals. Clinical Visits, Health checkup camps, Seminars, CPR Modules, Knee Joint pain Modules, Experiential learning,




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Course outcome of all courses are as follows-

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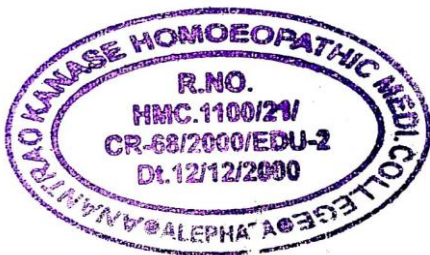
Course outcome (Cos) for Homoeopathic graduates of the institute

Ist B.H.M.S.

1) Physiology including biochemistry

At the end of the course the student will be able to -

1. Discuss the Homoeopathic concept of health in relation to integrated body structure & functions.
2. Explain the normal functioning of the human body at all levels of organization.
3. Relete the concept of homoeostasis with relevant ideas in Anatomy, MateriaMedica, & OrganonOf Medicine at BHMS 1 level.
4. Elucidate the physiological aspects of normal growth & development with focus on evolution.
5. Correlate micro functions at cellular level with Macro functions at organ-System level.
6. Use necessary communication skills required for history taking of the patient & relating various clinical findings in the patient.
7. Perform experiments in hematology, clinical physiology & biochemistry as required for the study of physiological phenomena & for assessment of normal function.
8. Identify the normal values of hematology, clinical physiology & biochemistry.
9. Perform clinical - physiological examination under supervision.
10. Correlate knowledge of Organon&MateriaMedica with physiology.
11. Explain the integrated responses of the organ systems of the body to physiological & pathological stresses.



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2) Anatomy

At the end of the course the student will be able to -

- i) Define the anatomy terms used to refer to the body in terms of direction & geometric planes.
- ii) Describe the structure & function of cellular organelles.
- i) Describe the structure & its surrounding relations
- ii) Describe gross & microscopic anatomy of the structure.
- iii) Describe blood supply, venous drainage, lymphatic & nerve supply of the anatomical structure.
- iv) Know the functions & diseases of the structure.
- v) Explain each & every system & structure in detail.

2) Pharmacy

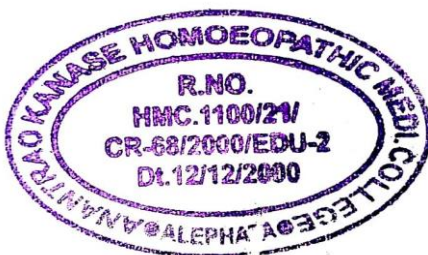
At the end of the course the student will be able to -

- i) Describe History of Pharmacy with emphasis on emergence of Homoeopathic Pharmacy.
- ii) Describe the concept of official Homoeopathic Pharmacopoeia.
- iii) Describe Classification of Homoeopathic medicines according to their Botanical & Zoological natural orders.
- iv) Understand the concept of drug Dynamisation/potentization, Doctrine of signature, Posology, Prescription writing, concept of placebo, and various routes of Homoeopathic drugs administration & dispensing of medicines.
- v) Understand the concept of Drug Proving, Quality control & legislations pertaining to Homoeopathic Pharmacy.

3) Organon of Medicine

At the end of the course the student will be able to -

- i) Describe Evolution of medical practice of the ancients.
- ii) Write short history of Hahnemann's life, his contributions, & discovery of Homoeopathy.
- iii) Identify Fundamental Principles of Homoeopathy, basic concepts of health, disease, cure.
- iv) Understand the Basics of Psychology.



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II nd B.H.M.S.

1) Pathology

At the end of the course the student will be able to -

- i. Get basic knowledge, skills, & attitudes that are relevant to the principals of Pathology & Microbiology so that he /she can utilize this knowledge in Homoeopathic practice.
- ii. Describe different disease stages of different diseases.
- iii. Do identification of pathogens based on characteristic properties.
- iv. Do core relation between pathogenesis & maims.
- v. Do proper interpretation & understanding of various investigations used in clinical practice.
- vi. Do proper interpretation of various pathological reports.
- vii. Use correct method of collecting & handling of clinical samples of patients for use in laboratory.
- viii. Interpret pathological, microbiological investigations for prophylactic & therapeutic purposes.

2) Forensic Medicine -

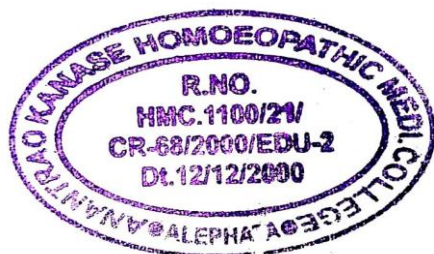
At the end of the course the student will be able to -

- i. Define medico legal problem of hospital & in general Homoeopathic practice & should be able to resolve such problems.
- ii. Undertake & understand the Medico legal responsibility of physician in criminal matter & in all medico legal cases.
- iii. Diagnose, manage & identify legal aspect of common poisoning.
- iv. Get knowledge of evidence of expert witness in court of law.
- v. Identify the principals of medical ethics in relation to patient, his profession.
- vi. Demonstrate awareness of code of ethics, & rights of medical practioner, duties towards patients, society, punishment on violation of code of ethics, various forms of medical negligence, duties towards his /her professional colleagues.

3) Organon Of Medicine -

At the end of the course the student will be able to -

- i. Know how to take a case & build up portrait of the diseases by ,evolutionary study of patient comprising of well-defined characteristics . Studding the individual in relation to his family ,social & work environment. Processing of the case interview to grasp the principle of management of the patient.
- ii. Classify symptoms & evaluate them, to find characteristics to arrive at the totality of symptoms.



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4) Surgery -

At the end of the course the student will be able to -

- i. Interact with patient & his /her attendant to record the surgical case.
- ii. Do necessary clinical examination of surgical case to arrive at proper surgical diagnosis.
- iii. Identify surgical diseases which can be managed with Homoeopathy for curative / palliative results.
- iv. Get proper knowledge of reference of surgical cases at proper time.

5) Obstetrics and Gynecology -

At the end of the course the student will be able to -

- i. Have baseline grasp upon the normal structure & function of female reproductive system.
- ii. Provide a holistic care for a healthy pregnancy, safe delivery & motherhood.
- iii. Describe gynecological& obstetrical problems & explain their Homoeopathic therapeutic solutions.

III rd B.H.M.S.

1) Surgery - *At the end of the course the student will be able to -*

- i. Diagnose, common

surgicalConditions & should be able to give

Proper Homoeopathic treatment wherever possible.

- ii. Conduct necessary

ClinicalExamination to arrive at a surgical

Diagnosis& should be able to know various

Investigations related to Surgery.

- iii. Take proper surgical case

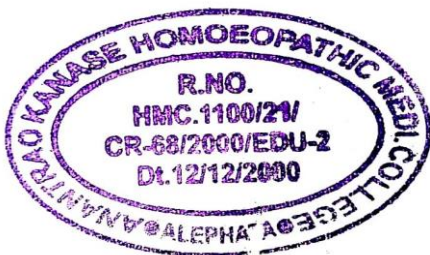
andshould be able to do proper surgical examination of surgical case.

- iv. Do proper diagnosis

Of all surgical cases & should be able to get

proper knowledge regarding exact time of

reference of a case for surgical innervations.



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3) Obstetrics and Gynecology-

At the end of the course the student will be able to -

- i) Get knowledge of normal structure & function of female genital system.
- ii) Get proper knowledge of ANC, & should be able to diagnose high risk pregnancy & its complications, normal labor, problem faced during labor, and motherhood.
- iii) Describe gynecological & obstetrical problems & should be able to describe homoeopathic solution for it.
- iv) Do proper gynecological & obstetrical clinical examination, & should be able to write proper case paper.
- v) Differentiate between healthy newborn infant & diseased newborn infant with congenital abnormalities if any.
- vi) Convey information of proper family planning measures to couples.
- vii) Know miasmatic approach & homoeopathic application of medicine in various gynecological, obstetrical, & neonatal cases

4) HMM-

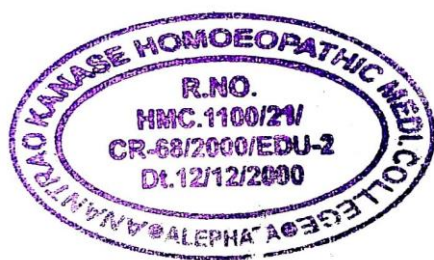
At the end of the course the student will be able to -

- i. Understand the concept of nosodes with definition of nosodes & types of nosodes, general indication of nosodes.
- ii. Know concept of constitution, temperaments, & diathesis.
- iii. Describe bio-chemic system of medicine, its history, concepts & principles according to information given by Schuessler.
- iv. Identify the utility of Mother Tincture in clinical practice.

5) Organon Of Medicine -

At the end of the course the student will be able to -

- i. Understand the Hahnemann's prefaces & introduction to organon of medicine. Including foot notes (5th & 6th Editions translated by R.E. Dudgeon & W. Boericke)
- ii. Understand & judiciously apply the drug knowledge to disease knowledge to achieve Homoeopathic cure in natural diseases.
- iii. Understand & describe the concepts & rule involved in drug proving, idiosyncrasy, individualization, Homoeopathic aggravation & palliation in difficult / incurable cases as per the philosophy by J.T. Kent.
- iv. Understand & describe the concepts of susceptibility, immunity, reaction, potentization, & information on drug potential as per Stuart Close
- v. Understand why & how our remedies act, from where the law of cure is derived, know the dynamic action of drug, understand logic behind selection of dose, how to make second prescription, role of susceptibility in life, health & disease, suppression, palliation, use of local application & obstacles to cure as per H.A. Roberts.



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1) Practice of medicine -

At the end of the course the student will be able to -

- i) Correlate the disease condition with basics of Anatomy, physiology ,
biochemistry& Pathology
- ii) Describe the causation, manifestation, diagnosis, prognosis & management of various diseases.
- iii) Understand the man in respect of health, disposition, diathesis, disease & to know various predisposing, precipitating causes of illness.
- iv) Know various diagnostics techniques, viz. X-ray, USG, ECG, & laboratory investigations, & should be able to utilize in his practice.
- v) Apply the knowledge of Homoeopathic therapeutics in the clinical way.

2) Community medicine -

At the end of the course the student will be able to -

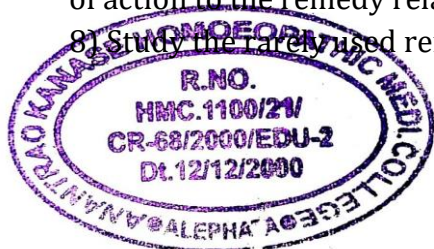
- i) Students should be well conversant with the national health problems of rural as well as urban areas with a scope of Homoeopathy in national program.
- ii) Know the importance of preventive medicine & the measures for the promotion of positive health.
- iii) Describe principles & method of epidemiology, biostatistics, demography & family planning.
- iv) Know social causes of disease, & social problems of the sick, relation of economic factors & environment in health & disease.
- v) Understand the concept of health, disease, cure & presentation as evolved by Dr.samuel Hahnemann with Hahnemann concept of genus Epidemicus in controlling of Epidemics, vaccinosis& Homoeopathic prophylaxis.

2) HMM -

At the end of the course the student will be able to -

- 1) Understand the specificity of construction of HMM & to compare it with other system of medicine.
- 2) Understand the nature of HMM through the action of drug on the individual.
- 3) Study the construction of HMM with reference to arrangement of symptoms of the drug.
- 4) Study the essential & complete action of the drug through understanding of the process of Homoeopathic drug proving.
- 5) Study the process of drug proving & Homoeopathic material medical so as to understand the psychodynamics & evolution of symptomatology.
- 6) Study of individual drug from synthetic, analytic & comparative point of view which would enable student for accurate Homoeopathic prescription.
- 7) Get proper knowledge of each & every drug to elicit its complete evolution right from its sphere of action to the remedy relationship.

8) Study the rarely used remedies with emphasis on their most salient features & symptoms.



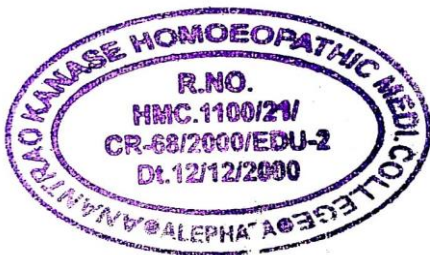
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- 9) Learn Materia Medica through Hahnemann an approach for clinical application .
10) Demonstrate it from case records both indoor & outdoor.
- 11) Prepare Herbarium sheets & other specimens for demonstration.
- 12) Gain basic & sufficient knowledge of “How to study HMM & how to apply it in routine Homoeopathic practice”

4) Department of case taking & repertory-

At the end of the course the student will be able to -

- i) Develop necessary skills for case taking, analysis, evaluation of symptoms to construct proper totality of symptoms.
- ii) Understand patients emotions or core & how to convert patient language into repertory.
- iii) Understand or learn how to find out exact rubric or reportorial word for patients mind symptom.
- iv) Develop ability to learn & use homoeopathic software's which are very helpful to find out similimum easily in short period ,also they should learn use of software for differentiation of remedy with help of M.M understanding meaning of rubrics ,cross references.
- v) Learn to study M.M. with help of homoeopathic software.
- vi) Be involved in student- centered educations ,to use a variety of instructional methods such as case discussion ,rubric discussion ,seminars.
- vii) Take active participation in extension & outreach activity such as camps (for maximum exposure with patients) so that they should learn properly how to take case, proper repertorization, how to reach towards similimum, how to select potency & how much repetition is necessary according to case .
- viii) Students should develop ability to acquire skills of repertorization according to -Dr. Kent, Dr. Boenninghausen & Dr. Bogar.



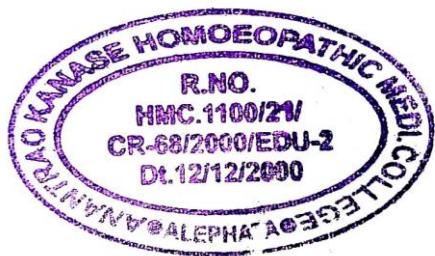

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5) **Organon of medicine & principles of homoeopathic philosophy-**

It is a vital subject which builds up the conceptual base for the physician which includes.

At the end of the course the student will be able to -

- i) Know what is homoeopathy & different modes of treatment.
- ii) Know Organon of medicine –Apho- 1-291 which constitute fundamental principles of homoeopathy ,Hahnemannian classification of disease, case taking, drug proving & employment of medicine.
- iii) Know –the homoeopathic approach for the patients.
- iv) Get basic knowledge of case taking & analysis & evaluation of symptoms, characteristic symptoms ,totality individualization of patient & drug.
- v) Get basic knowledge of selection of drug ,potency & repetition of doses
- vi) Get idea of therapeutic implication of theory of chronic miasm
- vii) Get knowledge of remedy response & prognosis after administration of remedy.
- viii) Learn values & ethics while doing practice at the end of their final year.
- ix) Know knowledge of scope & limitation of Homoeopathy.




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