



N.E.H.M. OF INDIA

(A Competent Authority to impart Electropathy education & medical practice)

Auth. Ministry of Health & F.W., Govt. of India

(For Promotion, Development & Research of Electropathy)

C2C/123, Pocket -12, Janak Puri, New Delhi - 58

Ph: 011-25551774, 25555238, 9210647054

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SYLLABUS FOR B.E.M.S 4½ YEARS CERTIFICATION COURSE

B.E.M.S FIRST YEAR

1. Electropathy Fundamental & Pharmacy
2. Anatomy - I
3. Physiology - I
4. Food & Hygiene

B.E.M.S THIRD YEAR

1. Prac. of Med-I
2. E.N.T.
3. Ophthalmology
4. Gynaecology

NOTE :-

1. Total Marks : Complete BEMS 4 ½ years (Th / Viva)
2. Maximum / Minimum marks in each year Th/Viva
- 3.. Maximum marks in each subject Th/Viva
4. Minimum marks (passing) in each subject Th/Viva
5. Percentage marks required for result declaration
6. No division will be marked in the result of BEMS - I,II & IIIrd year. However, division will be marked in final year on the basis of total marks obtained in I, II,III & final year. Similar norms is adopted in MDEH course.

B.E.M.S SECOND YEAR

1. Materia Medica
2. Anatomy - II
3. Physiology - II
4. Pathology

B.E.M.S FINAL YEAR

1. Prac. of Med -II
2. Paed. & Obst.
3. Surgery
4. Medical Jurisprudence

:	2400 (Th.-1600 + Prac. /Viva - 800)
:	600 (Th.-400 +Prac./Viva-200)
:	100/50
:	40/20
:	40% i.e. 240/600 each year seperately.



REGISTRAR

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Syllabus for B.E.M.S. 4½ Year Certificate Course

**Note :- 1. Maximum marks for each subject - Theory - 100 marks, Practical/Viva - 50 marks.
2. Viva of each subject based on the complete subject syllabus.**

B.E.M.S. 1st Year 1. Fundamental of Electropathy & Pharmacy

(1) Introduction of Electropathy/Electrohomoeopathy. (2) Principle of Electropathy (3) Life history of Dr. Count Ceaser Mattei. (4) Development of Electropathy under NEHM of India (5) Principles of nature (6) Principles of 'Od' Force (7) Difference between Homoeopathy & Electropathy. (8) Introduction of Pharmacy including its branches. (9) Cohabation Method. (10) General and deep knowledge about botanical plants which are used in the preparation of Electropathic Medicines & also those new plants which are included by NEHM. (11) Collection of Medicinal plants. (12) Compositions of Medicines & Electricities. (13) Preparation of dilution, Globules, Ointment, Compress, Lotion, Bath, Liniments, Enema. (14) Prescription writing with Abbreviations. (15) Pharmacopoeia. (16) Vehicles.

PRACTICALS :- Identification and collection of a minimum 10 plants (available in India) used in E.H. Medicines and their parts used to be attached in the file with their details, determine moisture content of the plant, use of Pharmaceutical apparatus and vehicles, preparation of E.H. medicated dilutions, sugar of milk, globules and all the external applicants, methods of preservation of E.H. medicines, preparation of various doses.

2. ANATOMY - I

1. (A) BONES :- All kinds of Bones. **(B) JOINTS :-** Classification of Joints, Joints of Vertebral Column Associated with the movement of the head, Joints of the Ribs, Temporomandibular Joints of the Upper Limb, Acromioclavicular Joints, Shoulder Joints, Elbow Joints, Radio Ulnar Joints, The Joints of Pelvis, The Joints of the Lower Limb, Hip Joint, The Tibiofibular Joints, The Ankle Joints, The Tarsal Joints.

2. THE MUSCLES :- Muscles of Head and Neck, Muscles of the ear, Nose and Mouth, The Infrayhoid muscle, The Prevertebral Muscles, the muscles of the Upper Limb, Muscles of the forearm and shoulder, muscles of the foot, muscles of the lower legs, muscles of the Hand, muscles of the abdominal wall and chest wall, The Diaphragm, muscles of Pelvis, Perineum and anal Canal, muscles of Urogenital triangle. **3. HEART & ARTERIES :-** Shape, Position and surface of the outline of the Heart, Circulation of the Blood through the Heart, Arteries and veins, Cavities of the Heart, Arteries of the thorax, the Aorta, arteries of the upper Limb, the Brachial Artery, the Radial artery, Artery of the abdominal Aorta, Iliac Artery, Arteries of the lower limb, Gluteal arteries, The femoral Artery, Tibial artery, The Popliteal artery. **4. LUNGS :-** Shape, Fissures & Lobes, Root of the Lung, Bronchial Tree, Arterial Supply, Venous Drainage, Lymphatic Drainage, Nerve Supply, Broncho-pulmonary segments. **5. THE VEINS:-** of the Brain, of the face, Scalp and neck, of the upper Limb, of the thorax, the vertebral and spinal veins of the abdomen and pelvis. The Hepatic portal vein system, veins of the Lower Limb. **PRACTICALS :-** STUDY OF BONES (OSTEOLOGY).

3. PHYSIOLOGY - I

1. Structure of Cell & its functions, Elementary Tissue of Human body. **2. BLOOD** :- Functions, Plasma Protein, E.S.R. clotting, Blood clotting, Blood volume, Bone marrow & its functions, R.B.C. & its development, W.B.C. & its development, Haemoglobin & its functions, Iron Metabolism, Platelets & its functions, Blood grouping, transfusion and its hazards, regulation of body fluids. **3. CARDIO - VASCULAR SYSTEM** :- Capillary circulation, Venous return, structure & Properties of heart, Cardiac output & Heart rate, Blood Pressure, Circulation through special regions. **4. RESPIRATORY SYSTEM**:- Pulmonary volumes & Capacities, regulation of Breathing, carriage of Oxygen by blood, Co₂ Transport in body, Dyspnea, Anoxia, Body temperature & its regulation. **5. METABOLISM** :- B.M.R., Metabolism of carbohydrates, Proteins & Fats, Vitamins, Diet. **6. PHYSIOLOGY OF MUSCLES.** **7. DIGESTIVE SYSTEM** :- Physiology of digestion in small intestine, Large intestine, Deglutition, Vomiting, Hiccup, Function of Liver & Gall Bladder.

PRACTICALS :- 1. Recording the Body Temperature. 2. Recording the Pulse. 3. Recording the Blood Pressure (in different postures) 4. Collection of Blood Sample 5. P.C.V. (Packed Cell Volume). 6. Bleeding Time. 7. Clotting Time 8. haemoglobin Estimation 9. E.S.R. 10. Blood Grouping. 11. Collection of a Sample of Urine and Physical Exam. of Urine. 12. Certain Normal Haematological Values and the Conditions in which they may Increase or Decrease.

4. FOOD & HYGIENE

1. Air and ventilation, Water, Food and Nutrition. 2. Waste disposal, Insects and Helminths. 3. Infections and Disinfection, Communicable and non-communicable diseases. 4. Maternity and child health services, School health services. 5. Family Planning. 6. Sanitation at Fairs and Festivals. 7. Medical Statistics.

B.E.M.S. IIInd Year

1. PATHOLOGY

1. Degeneration & Infiltration :- Cloudy swelling, Fatty degeneration, Glycogen infiltration, Hyaline degeneration, Amyloidosis, Necrosis, Gangrene, Post Mortem Changes. **2. Inflammation** with healing, repair. **3. Disturbances of Circulation.** **4. Disturbances of water and Electrolytes Balance.** **5. Immunopathology** :- Hyper sensitive reactions, Auto immunity. **6. Disorders of growth** :- Anaplasia, Atrophy, Hypoplasia, Hypertrophy. **7. Neoplasia** :- Origin, Nature and Causation, specific tumours, Epithelial & other Varieties. **8. Infections** :- (a) Bacterial - Staphylococcus, Streptococcus, pneumococcus, Meningococcus, Gonococcus, E Coli, Proteus and Pseudomonas, Salmonella, Shigella, Cholera Vibrio, Diphtheria, Tuberculosis, Syphilis and Clostridia. (b) Protozoal - Entamoeba histolytica, Giardiasis, Plasmodium, Leishmania donovani. (c) Metazoal - Ascariasis, Filaria, Taenia. (d) Viral - Variola, Arbovirus, Poliovirus, H.S.V. - 1, Rotavirus, H.I.V., Hepatitis, Myxovirus, Herpes, Rubeola, P.V.M. **9. Deficiency diseases** :- Protein deficiency, Vitamin deficiency. **10. Pigmentation** :- Endogenous and Exogenous, Calcification. **SYSTEMIC**- **11. Cardio Vascular System** :- Arteriosclerosis, Arteriosclerosis, Ischaemic Heart Disease, Myocarditis. **12. Rheumatic Heart Diseases** :- Bacterial Endocarditis, Pericarditis **13. Alimentary System** :- Gastritis, Pepticulcer, Gastric Carcinoma, Appendicitis, Intestinal Obstruction, Peritonitis. **14. Blood and R.E. System** :- Aneamia & Leukaemia, Splenomegaly. **15. Hepatic** :- Biliary :- Chronic venous congestion, Atrophy & Hypertrophy, Degenerations, Necrosis, Hepatitis, Cirrhosis, Cholecystitis & Gall stones, Jaundice. **16. Kidney** :- Glomerulonephritis, Hypertension, Diabetes. **17. Locomotor System** :- Osteomyelitis, Tuberculosis of bone. **18. Respiratory System** :- Pneumonia, Bronchopneumonia, Tuberculosis, Bronchogenic

2. MATERIA MEDICA

(1) Introduction of Electropathy/Electrohomoeopathy (2) Principle of Electropathy (3) Life history of Dr. Count Ceaser Mattei (4) Development of Electropathy (5) Principles of nature (6) Principles of 'Od' Force (7) Difference between Homoeopathy & Electropathy. (8) Causes of Diseases. (9) Temperament (Constitutions). (10) Classification of remedies. (11) Slass. (12) Scrofoloso No. 1 to 12. (13) Synthesis S.Y. (14) Limfatico No. 1 & 2. (15) Angioitico No. 1 to 3. (16) Pettorales No. 1 to 9. (17) Vermifugo group V1 & V2 (18) Canceroso group C1 to C17. (19) Febrifugos F1 & F2. (20) Venerio group Ven1 to Ven5 (21) Electricities - White, Red, Green, Yellow & Blue. (22) Aqua Perla Pelli (A.P.P.). (23) Electro-Homoeopathic Injection No. 1 to 36. (24) Electro-Homoeopathic Ointments, Red Salve S5, Blue Salve A2 or A3, Green Salve Canceroso No. 5, White Salve Canceroso No. 5, White Salve Limfatico, White Salve domfin (A), (B) & (C), White Salve Lord (A) & (B), Yellow Salve Vermifugo. **MIXED OINTMENTS** :- Anti abscess, Chest pain cure, Anti scabies, Meltone. (25) Important points of body to which Electricities and Ointments should be applied. (26) Diseases, Aetiology, Symptomatology, Dose and Dilution, Reaction, Treatment.

3. ANATOMY - II

1. The Lymphatic System, Spleen & Thymus :- The lymphatic drainage of the head and neck and upper limb, Lymphatic system of abdomen and Pelvis, Lymphatic system of lower limb. The spleen and Thymus. **2. The Nervous System** :- C. N.S. & Peripheral - The cranial nerve, Ophthalmic nerve, Maxillary nerve, Mandibular nerve. The Spinal nerve, The cervical nerve, The Thoracic nerve and the Lumbar nerves. The spinal cord, the brain, the membranes of meninges. **3. The Ear and Eyes** :- External Ear, Middle Ear, Internal Ear, Lacrimal Apparatus, The Eye ball, The extrinsic muscles of the Eye. **4. The Alimentary System** :- The mouth teeth & tongue, palate, Salivary Glands the Pharynx, the Oesophagus, the Stomach, Small and large Intestines, the liver, the Gall bladder and Bile Ducts, the Pancreas, the peritoneum. **5. The Urogenital System** :- The Urinary Organs, the kidneys, the Ureters, the bladder, the Male Genital Organs, the Bulb, the testis, the seminal duct, the seminal vesicles, the female genital internal and external Organs. **6. The Ductless Glands** :- The Thyroid gland, the suprarenal glands, Pituitary glands. **PRACTICALS** :- Osteology.

4. PHYSIOLOGY - II

1. Excretory System :- Kidneys & its function, selective reabsorption & tubular Secretion, Formation of New products. **2. Urine** :- Mechanism of regulation of blood reaction. Micturition, Skin & its appendages. **3. Endocrines** :- Physiology of pituitary gland, Physiology of thyroid gland, physiology of parathyroid gland, calcium metabolism, Endocrine functions pancreas, Adrenal gland & its hormones, All hormones. **4. Reproductive System** :- Male & Female reproductive organs, Puberty Testis & Accessory male sex organs, Menstrual cycle & Physiology of Pregnancy, Mammary glands, hormones of Ovary & corpus Luteum, Testicular hormones. **5. Nervous System** :- Structure and functions of different parts, Reflex action, Synapse, Receptions, Sensations, Tracts, Muscles tone & Posture, Cerebrospinal fluid. **6. Special Senses** :- Vision (Eye), Sense of hearing (Ear), Sense of taste (Tongue), Sensation of smell (Nose). **PRACTICALS** :- Repeate Urinary & Haematology Practicals.

B.E.M.S. IIIrd Year

1. PRACTICE OF MEDICINE - I

Detailed knowledge of Diseases on the basis of Electro-Homoeopathy Therapy. :-

1. Fever and its E.H. Treatment. **2. Infective Diseases** :- Measles, Mumps, Chicken Pox, Influenza, Hydrophobia, Dengue Fever, herpes, Zoster, Food poisoning, Typhoid and Paratyphoid Fever, Bacillary Dysentery, Whooping Cough, Diphtheria, Gonorrhoea, Cholera, Tetanus, Cholera, Tuberculosis of lung, Gland, Abdomen and Tuberculous meningitis. Tape Worm & Hydatid diseases, Thread Worm, Round Worm, Hook Worm, Filariasis Malaria, Amoebiasis, Kalaazar Giardiasis. **3. General Disorders** :- Sun stroke, Electric shock, Drowning, Acute Poisoning, Snake bite. **4. Respiratory System** :- Haemoptysis,

Acute and Chronic Bronchitis Pneumonia, Bronchiectasis, Asthma, Tropical Pulmonary Eosinophilia
Carcinoma lung, Pleurisy, Pleural effusion, Pneumothorax, Emphysema. **5. Connective Tissue Disorders** :-
Rheumatoid Arthritis, Gout, Osteoarthritis, Osteomalacia. **6. Digestive System** :- Dysphagia, Hiccup,
Anorexia, Haematemesis and Melaena, Hiatus Hernia and Reflux Oesophagitis, Carcinoma Oesophagus,
peptic Ulcer, Gastritis, Cancer stomach, Appendicitis Malabsorption syndrome, Intussusception, Diarrhoea,
Flatulence, Constipation, Intestinal Colic, Irritable bowel syndrome. **7. Hepato - Biliary System** :- Jaundice,
Viral Hepatitis, Cirrhosis of liver, Hepatic coma, Amoebic Hepatitis and abscess, Acute and chronic cholecystitis
& Gall stones. **8. Excretory System** :- Glomerulonephritis, nephrotic syndrome, Urinary Tract Infection,
Renal failure, Haematuria, Renal and Vesical calculi, Tumours of Kidney and Urinary Tract. **9. Haematology**
:- Anaemias, Erythrocytosis and Polycythaemia, Agranulocytosis, Infection Mononucleosis, Leukaemias,
Malignant lymphomas.

2. E.N.T.

1. Anatomy & Physiology of Ear, Nose and Throat. 2. E.N.T. Examination & Knowledge of Instruments. 3. Nose :- nasal injury, Epistaxis, Foreign body in nose, Boils of nose, Acute & Chronic allergic Rhinitis, Nasal Polyp, Acute & Chronic sinusitis. **4. Mouth** :- Thrush, Gingivitis, Pyorrhoea. **5. Pharynx** :- Acute & Chronic Tonsilitis, Quinsy, Acute & Chronic Pharyngitis, Diphtheria, Vincent's Angina. **6. Larynx** :- Acute & Chronic Laryngitis, Acute Oedema of Larynx, Laryngeal stridor, Croup. **7. Ear** :- Otitis External, Wax in ear, Fungal infection, Foreign body in ear. Eustachian cattarrh, Acute Otitis Media, Chronic Otitis media, Mastoiditis, Labyrinthitis, Vertigo. **8. Diagnostic instruments used.**

3. GYNAECOLOGY

1. Gynaecological diagnosis. 2. Malformation of female generative organs. 3. Diseases of Vulva & Vagina. 4. Sexually transmitted disease in female. 5. Tuberculosis of genital tract. 6. Diseases of Urinary system. 7. Pathology of conception. 8. Disorders of Menstruation. 9. Hormone therapy. 10. Uterus :- inflammation, prolapse, Displacement & new growth. 11. Endometriosis. 12. Inflammation of Uterine appendages (Fallopian tubes, ovary, Broad & Parametrium). 13. Diseases of Ovary. 14. Diagnostic instruments used.

4. OPHTHALMOLOGY

1. Examination of eye. 2. Diseases of Lid :- Blepharitis, Stye, Chalazion, Entropion, Ptosis, Decryocystitis, Orbital cellulitis. **3. Diseases of Conjunctiva** :- Hyperaemia, Acute Conjunctivitis (Mucopurulent, purulent & membranous) **4. Cornea** :- Purulent keratitis (Hypopyon & Marginal Ulcer) Herpes, Interstitial Keratitis, Arcus senilis, Corneal Opacities. **5. Sclera** :- Episcleritis, Irrifocyclitis. **6. Lens** :- Cataract. **7. Glaucoma**, Papilloedema, Optic neuritis, colour blindness, Night blindness, Foreign body in eye, Squint. **8. Diagnostic instruments used.** **9. Iridology** :- (1) Embryology of Iris (2) Iridology and its definition (3) How are Iris markings formed (4) Differentiation of constitution (5) Pupil and its deviation (6) Study of collarettes.

3. SURGERY

1. Wounds & Acute infections. 2. Chronic infections. 3. Tumour, cysts, Ulcers, Sinuses. 4. Haemorrhage, Blood transfusion, shock. 5. Burn injury and its management. 6. Infection of hand and its management. 7. Injuries of hand and fingers. 8. Infection of bones & joints. 9. Tumours of Bones & joints. 10. General principles in the treatment of fractures & dislocation of Joints. 11. Head, Spinal and Nerve injuries. 12. Diseases of face, Palate, Lips, neck and Oral Cavity. 13. Diseases of Arteries & Veins. 14. Diseases of Salivary glands, Stomach, Gall Bladder, Rectum & Anal Canal. 15. Intestinal Obstruction, Appendicitis. 16. Hernia :- Inguinal, Femoral, Umbilical, Epigastric & Hiatus. 17. Diseases of Prostate, Seminal vesicles, Urethra. 18. Anaesthesia of bandages and dressings. 19. Application of minor surgery & drainage of Abscess, Carbuncles & Cysts. 20. Diseases of Breast, Kidney, Ureter & Bladder, renal stones.

4. MEDICAL JURISPRUDENCE

1. Legal Procedures in courts and law in relation to medical men. 2. Personal identity. 3. Post Mortem Examination in brief. 4. Examination of Biological Stains and hairs. 5. Death in its medico-legal aspects, Sign of Deaths. 6. Death from Asphyxia, Starvation, cold and Heat. 7. Injuries from burns and scalds, lightning and Electricity and Mechanical violences. 8. Examination of Injured persons and regional Injuries. 9. Impotence Sterility and artificial Insemination. 10. Sexual offences, Rape, Incest, Sodomy, 11. abortion, Infanticide. 12. Insanity and its medicolegal aspects. 13. Toxicology :- Poisons and their legal aspects, Corrosive Poisons, Irritant poisons, Neurotic poisons, Irrespirable gases.

INTERNSHIP

Compulsory for Six months period at the attached Electropathy/Electro homoeopathic dispensary or Hospital, to attend the clinical classes of each department and prepare the case files of the patients attended and electro homoeopathic treatment advised, accordingly. After the submission of the case files with the respective Head of the Departments, the certificate of completion of Internship will be issued. The Principal/H.O.D. must ensure that before issuance of Internship Certificate case files must be completed in all respects. Electro homoeopathic medicine practice registration will only be issued thereafter.

B.E.M.S. FINAL YEAR

1. PRACTICE OF MEDICINE - II

(Including Diagnosis & E.H. Treatment)

- 1. Nervous System** :- Headache, Dysphasia & Aphasia, Trigeminal Neuralgia, bells palsy, Epilepsy, Paraplegia, Hemiplegia, Lumbago, Sciatica Syndrome, Polyneuritis.
- 2. Psychiatry** :- Psychoneurosis, Personality disorders, Depression, Schizophrenia, Organic Psychomatic disorders.
- 3. Cardio - Vascular System** :- Adams - stroke syndrome, Cardiac arrest, Cardiac failure, Peripheral Circulatory failure, Rheumatic Fever, Diseases of Heart Valves (in Brief), Angina Pectoris, Myocardial Infarction, Hypertension, Copulmonale, Myocarditis, pericarditis, Foetal circulation & Congenital heart diseases.
- 4. Endocrine** :- Hypo and hyper thyroidism, Goitre, Hypo and Hyper Parathyroidism, Tetany Diabetes mellitus.
- 5. Skin** :- Pruritus, Erythematous, Urticarial & Purpuric rashes, Dermatitis & Eczema, Superficial bacterial & tropical Infections, Fungal infections, Tuberculosis of skin, Leprosy, Syphilis, Psoriasis, Eruptions, Bullous-eruption, vitiligo, Seborrhoeic dermititis, Alopecia.
- 6. Sexually Transmitted Diseases.**

2. OBSTETRICS & PAEDIATRICS

(A) OBSTETRICS:- 1. anatomy of bony pelvis & foetal skull. 2. Clinical Symptoms & Pathological examintion of pregnancy. 3. Vomiting & Abdominal pain in pregnancy. 4. Antenatal care. 5. Normal Labour:- (i) Foetal malpresentation. (ii) Foetal malformation. (iii) Defficulty in passage :- Contracted Pelvis, Abnormal Cervix Vagina, Perineum Pelvictumours. (iv) Fault in expulsive force :- Uterine inertia. 7. Post maturity Descent of Cord. 8. Normal puerperium. 9. Abnormal puerperium. 10. Antepartum Haemorrhage. 11. General disorders associated with pregnancy. 12. Toxaemia of pregnancy :- Pre Eclampsia, Eclampsia, Essential Hypertension, Nephritis. 13. Pathology of Pregnancy :- Forceps delivery, D&C Episiotomy, Caesarian Section Craniotomy. 14. Obstetrics Operation :- Forceps delivery, D&C, Episiotomy, Caesarian Section Craniotomy. 15. Diagnostic instruments used

(B) PAEDIATRICS :- 1. Examination of Child, Growth & Development, Immunisation. 2. **New Born** :- Signs & symptoms in neonatal period, Infections of new born, Infantile feeding & oral rehydration therapy, premature baby, birth injury, Janudice in new born, Haemorrhagic diseases, Respiratory distress syndrome, Infantile diarrhoea. 3. **Nutritional Disorders** :- Kwashiorkor, Marasmus, Rickets, Scurvy, Indian child hood cirrhosis, Paediatric Allergy. 4. **Psychosomatic Disorders** :- Pica, Bed wetting, Sleep walking, Breath holding spells, thumb sucking, mental retardation. 5. **Unclassified** :- Battered child syndrome, Floppy baby, Cot death, Infantile tremor syndrome, Congenital dislocation of hip. 6. **Genetics** :- Dominant, Recessive & sex linked traits, congenital malformations.