

SYLLABUS – (Total 300 Hours)

THEORY		Total 225 Hours
<i>*NB.: Each Lecture is of one Hour</i>		
01)	<p>(a) Introduction to Neurotherapy (NT) (b) Importance of the navel, methods of navel setting, diagnosis by NT method (c) Do's and don'ts</p>	05 lectures
02)	Human Body (Various system of the body)	01 lectures
03)	<p>Introduction to cells and tissue-cells</p> <ul style="list-style-type: none"> Definitions and main functions of : cytoplasm, nucleus, chromosomes, DNA, RNA, trophoblast cells, cytoplasmic reticulum, Golgi apparatus, Lysosomes, centrosome, mitochondria, cell membrane, non living cell inclusions. Composition of protoplasm and its characteristics. Cytoplasmic inclusions. Composition of extra-cellular and intracellular fluid. Types of tissues – cartilages, bones, ligaments, tendons, muscles, neurons and supporting cells, skin, mucous membrane, covering membranes, adipose tissue, ectodermal, mesodermal and endodermal tissues. 	03 lectures
04)	<p>Blood</p> <ul style="list-style-type: none"> Composition and functions; types of blood cells and Plasma, their formation, functions and fate. Blood clotting mechanism (coagulation), blood groups, anaemia, bleeding disorders, leukemia. Investigation of blood disorders. 	03 lectures
05)	<p>Circulatory system (cardio vascular system)</p> <ul style="list-style-type: none"> Heart, arteries, veins, capillaries, pulse, blood pressure, Functioning of heart, problems of high and low blood pressure. 	06 lectures
06)	<p>Locomotor system (bones and muscles)</p> <ul style="list-style-type: none"> Bones Organic and inorganic part of Bone cells (osteoblast, osteocyte, osteoclast); Types of bones (long, short, irregular, sesamoid bones). Bone fractures; Introduction to movements of joints; diseases due to Skeletal / joint disorders; Muscles Types & properties of muscles, important muscles like heart, diaphragm etc. 	03 lectures 03 lectures



07) Digestive system <ul style="list-style-type: none">• Alimentary canal from mouth to anus; mucous membrane throughout the canal. Oral cavities, salivary glands, secretion of saliva, mastication, act of swallowing.• Stomach – secretions and their regulations.• Small intestine – duodenum, jejunum, and ileum. Secretion of enzymes, electrolytes and hormones.• Large intestine, its parts and functions. Accessory organs for digestion – liver, gall bladder and pancreas. Acidity, ulcers, indigestion, colitis, constipation, diarrhoea etc.• Carbohydrate metabolism - Monosaccharide, disaccharides and polysaccharides, Glucose, Glycogen, Starch.• Lipids – Triglycerides, cholesterol, V.L.D.L. (very low density lipoproteins) H.D.L, Phospholipids, fatty acids, bile acids, steroids, Prostaglandins.• Proteins – Amino acids – essential and nonessential; structure of DNA, RNA, enzymes, coenzymes.• Vitamins – Deficiency, symptoms and diet required.	14 lectures 01 lecture 01 lecture 01 lecture 01 lecture
08) Respiratory system <ul style="list-style-type: none">• Lungs, regulation of respiration, asthma, pleurisy and other lung disorders.	06 lectures
09) Urinary system <ul style="list-style-type: none">• Kidneys, urethra, bladder, Urine Investigating techniques. Kidney Stone, Nephritic Syndrome and Kidney Disorders etc....	06 lectures
10) Reproductive system <ul style="list-style-type: none">• Ovaries in females, testes in males, prostate gland, uterus and their functions.• Role of C.N.S. (Hypothalamus) in hormonal control.• Fertilization and infertility, abortions, pregnancy, labour, neonatal problems and care of the newborn, Menses and related problems etc...	12 lectures
11) Endocrine glands <ul style="list-style-type: none">• Pineal, pituitary, thyroids, parathyroids, pancreas, adrenals and gonads;• Role of Hypothalamus in control of certain endocrine glands; Formation, function, fate and regulation of secretion of each hormone; Effects of increased and decreased secretion of each hormone and their diagnostic features.• Hyper-Hypo Thyroid and Hormonal Imbalances etc...	12 lectures

12)	Lymphatic and Immune System <ul style="list-style-type: none"> Spleen, lymph nodes, tonsils, thymus; Interstitial fluid, lymphatics, return of lymph; Leucocytes, macrophages, phagocytosis, innate immunity, acquired immunity, allergies, auto immunity. 	06 lectures
13)	Nervous system <ul style="list-style-type: none"> Central, peripheral, autonomic (sympathetic, parasympathetic). Paralysis, Parkinson, Motor Neuron, Multiple Sclerosis (M.S.), Alzheimer, Mentally Challenged Children, C. P. Child etc..... 	09 lectures
14)	Organs of special senses <ul style="list-style-type: none"> Eyes, ears, nose, skin, hair, sweat glands, taste. Eye Infection, Inflammation, and Numbers (+ / -), Nose Blocked, Running Nose, Hair Fall, Alopecia etc... 	03 lectures
15)	Biochemistry <ul style="list-style-type: none"> Important elements – Carbon, Hydrogen, Oxygen, Nitrogen, Iodine, Iron, Copper, Cobalt, Manganese, Sodium, Potassium, Magnesium, Chlorine, Calcium, Fluorine, Phosphorus and their functions. 	03 lectures
16)	Anatomy and physiology of organs and systems. Relevant investigations for common diseases e.g., examination of blood, urine and stools, etc.	06 lectures
17)	Regulation of Acid base balance. Diseases of increased & decreased acidity and alkalinity.	21 lectures
18)	Genetic disorders <ul style="list-style-type: none"> Down's syndrome, gene mutations, diabetes, muscular dystrophy, leucoderma, Sickle cell anaemia 	06 lectures
19)	** Revision of all chapters	06 lectures
20)	Tests	03 lectures
21)	Solving the Question Banks	09 lectures
TOTAL LECTURES – (TOTAL 150 HOURS)		150 LECTURES



PRACTICALS		Total 150 Hours
01)	Legal and Moral ethics. Legal implications and precautions to be taken before, during and after treating a patient.	01 lecture
02)	Management and maintenance of human relations.	01 lecture
03)	Service to mankind and society.	01 lecture
04)	All NT. Symbols	50 lectures
05)	<ul style="list-style-type: none"> • Positioning of the patient, chairs and pillows. • Do's and don'ts of NT to be considered by Neurotherapists. 	02 lectures
06)	Positioning of the feet on the patient and application of appropriate pressure related to each NT. Symbol.	02 lectures
07)	NT Diagnostic Charts related to the Pain Points on the Anterior and Posterior sides of the human body and Evaluation.	02 lectures
08)	Formulas and Diseases/ Disorders and their Neurotherapy treatments as given in the Neurotherapy-Ved.	50 lectures
09)	Preparation of patients 'NT' card – <ul style="list-style-type: none"> • Patient's history • Medical reports • Symptoms • NT Diagnosis of the Disorder/Disease • Prescription of NT-line of treatment • Guiding the patient regarding the diet/exercise as per requirement 	09 lectures
10)	Documentation of Case – Histories	03 lectures
11)	Practice duration	29 Lectures
Total		150 Hours