



LATE SHREE FAKIRBHAI PANSARE EDUCATION FOUNDATION'S LOKMANYA HOMOEOPATHIC MEDICAL COLLEGE

Near Elpro Company, Behind Prof. Ramkrishna More Auditorium, Chinchwad, Pune - 411033.
Ph.: (020) 27357552, 27352503, E-mail : chinchom@rediffmail.com, Website : www.lmfhc.com
P.T.R. No. : F/37677/PUNE

Affiliated to Maharashtra University of Health Science, Nashik, Recognised by N.C.H., New Delhi.

ANNEXURE - IV

Maharashtra University of Health Sciences, Nashik Homoeopathy Faculty

Academic Year 2025 - 2026

Academic Activities/Webinar/Workshop/CME/Activities in Last One Year.

Name of College/Institute: LSFPEF's LHMC, Chinchwad, Pune-411033

College Code: 142102

Dept:- Physiology

Academic Planner/Advanced

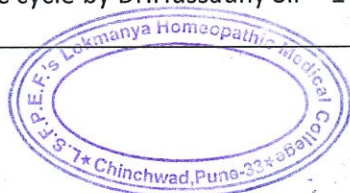
Teaching Plan Time Table (Year
wise)

Details from 1st January to 31st December

Sr. No.	Details	Total Number in Hours
1.	Lecture	265
2.	Symposium	1
3.	Practical/Clinics	385
4.	Inter-Departmental Seminars	5
5.	Seminar	12
6.	Case presentation	-
7.	Journal Club	6

No. of Webinars Arranged, Guest Lectures,
Workshops & CME (Publish details on college
website)

Sr. No.	Details of Webinars, Guest Lectures, Workshop & CME
1	Seminar on Cancer by Dr. Shrikant T for III & IV Year BHMS 28/02/2024
2	Motivational lecture for students Dr. Sanjeevkumar Patil – 30/08/2024
3	Respiratory Systems Dr. Monika Totani – 19/09/2024
4	Respiratory Systems Dr. Dipti Maske – 24/09/2024
5	Seminar on Cardiac cycle by Dr. Hussauny Sir – 14/12/2024



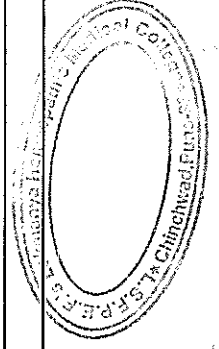
Dr. Mrs. S. A. Moharil

I/C PRINCIPAL

L.S.F.P.E.F.'s Lokmanya
Homoeopathic Medical College,
Chinchwad, Pune-411033

LSPPEF'S LHMC CHINCHWAD PUNE
DEPARTMENT OF PHYSIOLOGY WITH BIOCHEMISTRY
BIOCHEMISTRY

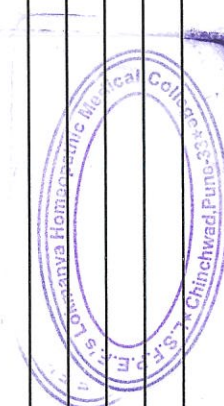
Sr No.	List	Requirement according to MES	Available	Not available
1	Electronic/Monopan Balance		1	0
2	Centrifuge		1	0
3	Chemical/ ordinary balance		1	0
3	Water baths		1	0
4	Urinometer		25	0
5	Hydrometer (0.700 to 1.00)		2	0
6	Albuminometers		10	0
7	Glucometer		10	0
8	Thermometer		10	0
9	Calorimeter		1	0
10	Hot air over 14" * 14" * 14" (Electric)		1	0
11	Glass ware like			0
	Pipette	As Required	Sufficient	Sufficient
	Beakers	As Required	Sufficient	Sufficient
	Burettes	As Required	Sufficient	Sufficient
	Wire gauze with asbesto	As Required	Sufficient	Sufficient
	Center hot plate	As Required	Sufficient	Sufficient
	Stove	As Required	Sufficient	Sufficient
	Syringes	As Required	Sufficient	Sufficient
	Burners	As Required	Sufficient	Sufficient
12	Ph meter		1	0
13	Binocular research microscope		2	0
14	Stethoscope demonstration with multiple pieces		2	0
15	Ophthalmoscope		1	0
16	Otorhinolaryngoscope		1	0
17	Revolving stools, metal		45	0



LSFPEF'S LHMC CHINCHWAD PUNE

DEPARTMENT OF PHYSIOLOGY WITH BIOCHEMISTRY

Sr. No	List	Requirement according to MES	Available	Not available
1	PHYSIOLOGY	Medical Microscope	25	0
	INSTRUMENTS	Equipment for ESR	25	0
		Haematocrit tubes	30	0
		Auto Analyzer	1	0
		Sahlis Haemoglobinometer	35	0
		Haemocytometer	25	0
		Sphygmomanometer	25	0
		Stethoscope	25	0
		Clinical thermometer(Digital)	20	0
		Knee hammer	25	0
		Tuning forks to test hearing (32-10000hzs)	1 SET	0
		stethographs or pneumographs	5	0
		Electrocardiograph	1	0
		Electronic stop watch (1/10sec)	4	0
		Glass Distillation (double) apparatus	1	0
		Centrifuge (Medium speed)	1	0
		Calorimeter (photo electric)	2	0
		PH meter (electric)	2	0
		Colour Perception lantern (Edridge Green)	1	0
		Incubator	1	0
		Educational CD Audio Visual Aids	As required	0
		DVD	As required	0
		Films	As required	0
		Models	As required	0
		Slides	As required	0
		Perimeter	1	0
		Spirometer	1	0
		Tonometer	1	0
		Handgrip dynamometer , Bicycle Ergometer	1	0



LSFPEF'S LHMC CHINCHWAD PUNE**DEPARTMENT OF PHYSIOLOGY****MACROTEACHING PLAN FOR 1ST BHMS****BATCH 2023-24**

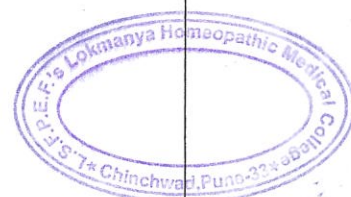
TOPIC NAME	SUB TOPICS	TO BE TAKEN BY
1.General cell physiology	Cell structure , functions , cell organelles , Homoeostasis , feedback mechanism	Dr.Shefali Dec
2.General cell physiology	Junctional regions , Epithelial tissue , connective tissue , RMP , Action potential	Dr.Shefali Jan
3.CVS	Introduction to CVS , properties of cardiac muscle , conducting system of heart , spreading of impulse , heart blockage ,	Dr.N.S.Joshi Jan , Feb
4.Nerve muscle physiology	Muscle – structure , neuromuscular junction	Dr.Shefali Feb
5.Blood	Composition , function , plasma proteins , RBC , Erythropoiesis , Hb, Anaemia , ESR , PCV , Blood indices Lymphatic system – Functions , lymph – functions , flow of lymph , structure of lymph node , Biochemistry - BMR	Dr.Shefali Feb
6.Biochemistry	Enzyme – Introduction , substrate	Dr.Gaikwad Feb
7.CNS & Endocrine	Introduction to CNS , cerebrum , cerebellum , extrapyramidal tracts	Dr.A.R.Joshi Mar , April



	,Hypothalamus , Thalamus , CSF	
	Endocrine – Introduction , hormones , pancreatic hormones , Adrenaline , sex hormones , Diabetes mellitus	Dr.A.R.Joshi April
8.Biochemistry	Vitamins – Fat & water soluble vitamins	Dr.Gaikwad June
9.CVS	Myocardium , cardiac muscle , conducting system of heart , Pulse , heart block. Cardiac cycle , cardiac output , Blood pressure regulation , Heart sounds , ECG ,	Dr.Gaikwad June , July
10.Skin	Skin , structure , functions , sweat glands , triple response , body temperature regulation	Dr.Shefali June
11.Respiratory system	Respiratory system – Introduction , trachea , bronchioles , lungs , Dead space , internal & external respiration , pump handle movement	Dr.N.S.Joshi June , July
	Nervous & chemical regulation of respiration , CO ₂ transport , spirometry , lung capacity. O ₂ dissociation curve , Artificial respiration , acclimatization , vocalization , pulmonary respiration	Dr.N.S.Joshi July



12.Excretory system	Excretory system – Introduction , Structure & functions of kidney , structure of ureter & urinary bladder	Dr.N.S.Joshi Aug
	Histology of nephron , urine formation , PCT , DCT , loop of henle , counter current mechanism , micturition reflex	Dr.N.S.Joshi Aug
13.Reproductive system	Introduction , puberty , Male reproductive system	Dr.Gaikwad Aug
14.Reproductive system	Male reproductive system , testis , spermatogenesis , Female reproductive system , Menstrual cycle , ovulation , pregnancy tests , foetal circulation	Dr.Gaikwad Sept
15.Nutrition & diet	Carbohydrates , proteins , fats , balanced diet , RQ	Dr.Shefali Sept
16.GIT	Introduction to GIT , Organs of alimentary canal - functions , layers of GIT , Histology – Oral cavity – Mouth , tongue , papillae , teeth , taste buds.Salivary glands. Epiglottis , pharynx , oesophagus. Stomach – structure , functions , gastric glands , small intestine – structure , functions , large intestine , rectum ,	Dr.Shefali Oct , Nov



	anal canal , appendix , Salivary secretion – Composition , functions , regulation , Gastric secretion – composition , functions , mechanism of HCL secretion , phases of gastric secretion , regulation Small intestine – structure , functions , succus entericus – composition , functions , regulation Exocrine Pancreas – structure , functions , pancreatic secretion – composition , function , regulation Liver – structure , function , bile , bile salts , bile pigments , enterohepatic circulation GIT Movements , deglutition – phases , vomiting	
17.Special senses	Introduction , Auditory pathway , taste pathway , optic pathway	Dr.N.S.Joshi Dec



LSFPEF LHMC Chinchwad

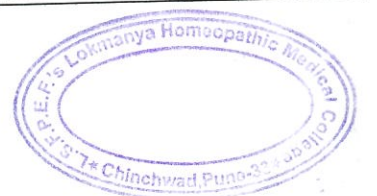
Department of Physiology

I BHMS Batch 24-25 CBDC

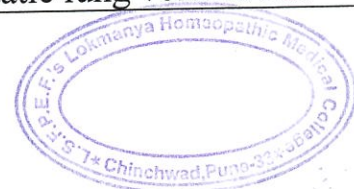
Lecture Plan

December 2024 till March 2026

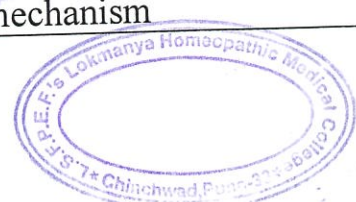
Date	Day	Time	Lecturer	Topic
30/11/24	Saturday	1pm- 2pm	Dr. M.S.Totani	Guest lecture
5/12/24	Thursday	10:30-11:30am	Dr. M.S.Totani	Structure and function of skin
6/12/24	Friday	9.30-10.30am	Dr. M.S.Totani	Structure and function of skin
7/12/24	Saturday	11:30-12:30 pm	Dr. M.S.Totani	Structure and function of skin
12/12/24	Thursday	10:30-11:30am	Dr. M.S.Totani	Structure and function of skin
13/12/24	Friday	9.30-10.30am	Dr. M.S.Totani	Structure and function of skin
14/12/24	Saturday	11:30-12:30 pm	Dr. M.S.Totani	Structure and function of hair
19/12/24	Thursday	10:30-11:30am	Dr. M.S.Totani	Structure and function of hair
20/12/24	Friday	9.30-10.30am	Dr. M.S.Totani	Structure and function of nail
21/12/24	Saturday	11:30-12:30 pm	Dr. M.S.Totani	Structure and function of nails
26/12/24	Thursday	10:30-11:30am	Dr. M.S.Totani	Structure and function of glands
27/12/24	Friday	9.30-10.30am	Dr. M.S.Totani	Structure and function of glands
28/12/24	Saturday	11:30-12:30 pm	Dr. M.S.Totani	Describe glands of skin
2/1/25	Thursday	10:30-11:30am	Dr. M.S.Totani	Describe glands of skin
3/1/25	Friday	10.30-11.30am	Dr. M.S.Totani	Regulation of body temperature
4/1/25	Saturday	1-2 pm	Dr. M.S.Totani	Regulation of body temperature



6/1/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Biophysics Introduction- filtration and Ultrafiltration, adsorption and absorption
10/1/25	Friday	10.30-11.30am	Dr. M.S.Totani	Hydrotrophy and surface tension
13/1/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Colloids introduction and characteristics
17/1/25	Friday	10.30-11.30am	Dr. M.S.Totani	Colloids – different types
20/1/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Dialysis and Assimilation
24/1/25	Friday	10.30-11.30am	Dr. M.S.Totani	Donan equilibrium
27/1/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Action potential
31/1/25	Friday	10.30-11.30am	Dr. M.S.Totani	Transmembrane potential and intracellular communication
3/2/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Nerve potential
7/2/25	Friday	10.30-11.30am	Dr. M.S.Totani	Tracer elements
10/2/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Rhythmicity of some excitable tissues
14/2/25	Friday	10.30-11.30am	Dr. M.S.Totani	Ionic bonds, covalent bonds and hydrogen bonds
17/2/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Characteristics of acid base anad salts
21/2/25	Friday	10.30-11.30am	Dr. M.S.Totani	Acid – base balance and its application to concept of pH
24/2/25	Monday	11.30am - 12.30pm	Dr. M.S.Totani	Maintaining of pH: Buffer system
14/3/25	Thursday	11.30-12.30am	Dr. M.S.Totani	Functional anatomy of respiratory system
21/3/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Properties of gases and non respiratory functions
28/3/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Mechanism of inspiration and expiration
18/4/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Mechanism of inspiration and expiration
25/4/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Intrapulmonary and intrapleural pressure
2/5/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Static lung volume and



				capacities
9/5/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Dynamic lung volumes and capacities
16/5/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Surface tension and surfactant
23/5/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Oxygen transportation
30/5/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Carbon dioxide transportation
6/6/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Nervous regulation of respiration
13/6/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Chemical respiration of respiration
20/6/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Physioclinal aspect of apnea
27/6/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Physioclinal aspect of dyspnea, asphyxia and oxygen toxicity
4/7/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Hypoxia classifyand definition
11/7/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Cyanosis
18/7/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Principles of artificial respiration
25/7/25	Thursday	10.30-11.30am	Dr. M.S.Totani	Pressure changes during high altitude
1/8/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	effect during Rapid & slow ascent on high altitude
8/8/25	Thursday	10.30-11.30am	Dr. M.S.Totani	pressure changes during Deep sea diving
22/8/25	Thursday	11.30am - 12.30pm	Dr. M.S.Totani	Formative assessment (RS)
29/8/25	Thursday	1-2 pm	Dr. M.S.Totani	Formative assessment (RS)
5/9/25	Thursday	1-2 pm	Dr. M.S.Totani	Tutorial - hypoxia
12/9/25	Thursday	1-2 pm	Dr. M.S.Totani	Tutorial – mechanism of breathing
19/9/25	Thursday	1-2 pm	Dr. M.S.Totani	Tutorial – lung volumes and lung capacities
26/9/25	Thursday	1-2 pm	Dr. M.S.Totani	Functional anatomy of kidneys
9/10/25	Thursday	1-2 pm	Dr. M.S.Totani	JGA
16/10/25	Thursday	1-2 pm	Dr. M.S.Totani	Renin angiotensin mechanism



23/10/25	Thursday	1-2 pm	Dr. M.S.Totani	Mechanism of urine formation
30/10/25	Thursday	1-2 pm	Dr. M.S.Totani	Renal tubular reabsorption (PCT)
6/11/25	Thursday	1-2 pm	Dr. M.S.Totani	Renal tubular reabsorption
13/11/25	Thursday	1-2 pm	Dr. M.S.Totani	Renal tubular reabsorption of all ions
20/11/25	Thursday	1-2 pm	Dr. M.S.Totani	Renal tubular secretion
27/11/25	Thursday	1-2 pm	Dr. M.S.Totani	General consideration of reabsorption and secretion
4/12/25	Thursday	1-2 pm	Dr. M.S.Totani	Renal transport mechanism throughout the body
11/12/25	Thursday	1-2 pm	Dr. M.S.Totani	Transport of individual substances in different segments of renal tubules
18/12/25	Thursday	1-2 pm	Dr. M.S.Totani	Counter current multiplier
8/1/26	Thursday	1-2 pm	Dr. M.S.Totani	Counter current exchanger
15/1/26	Thursday	1-2 pm	Dr. M.S.Totani	Renal acid base regulation
22/1/26	Thursday	1-2 pm	Dr. M.S.Totani	Renal buffer system
29/1/26	Thursday	1-2 pm	Dr. M.S.Totani	Micturition anatomy and micturition reflex
5/2/26	Thursday	1-2 pm	Dr. M.S.Totani	Kidney functions test
12/2/26	Thursday	1-2 pm	Dr. M.S.Totani	Renal clearance tests
19/2/26	Thursday	1-2 pm	Dr. M.S.Totani	Formative assessment on renal physiology
26/2/26	Thursday	1-2 pm	Dr. M.S.Totani	Formative assessment on renal physiology ((tutorials))

