Week 3	Respiration: Exchange of respiratory gases, transport of gases, lung air volumes, oxygen dissociation curve of hemoglobin
Week 4	Bohr's effect, Haburger's phenomenon (Chloride shift), control / regulation of respiration
Week 5	Excretion: Patterns of excretory products viz. Amonotelic, ureotlic uricotelic, ornithine cycle (Kreb's – Henseleit cycle) for urea formation in liver. Urine formation, counter-current mechanism of urine concentration, osmoregulation, micturition

Week wise Lesson Plan for the month April, 2020

Week	Topics
Week 1	Neural Integration: Nature, origin and propagation of nerve impulse alongwith meddullated & non-medullated nerve fibre, conduction of nerve impulse across synapse.
Week 2	Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of hypothalamus,
Week 3	Chemical integration of Endocrinology: Structure and mechanism of hormone action; physiology of hypothalamus,
Week 4	pituitary, thyroid, parathyroid, adrenal, pancreas and gonads. Revision & Test
Week 5	Reproduction: Spermatogenesis, Capacitation of spermatozoa, ovulation, formation of corpus luteum, oestrous-anoestrous cycle, Menstrual cycle in human; fertilization, implantation and gestation.