

# ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

## Department of Nutrition

1<sup>ST</sup> Year: Semester II (SH/NUT/202/C-4) Core 4

### Human Physiology II

Credit- 06 Full Marks: 50 Classes: 60 (Lecture) + 15 (Tutorials)

Subject Teacher- Moumita Dutta

### SYLLABUS UNITIZATION

Month	Week	Portion
March,2023	2	C4T4- A general idea about endocrine system. Classification, hormones that secreted from endocrine glands. Structure of Pituitary gland and hormones that releasing from pituitary.
	3	C4T4- Functions of the hormones releasing from pituitary- GH, TSH, Proalctin, LH, gonadotrophins, ADH, Oxytocin and their deficiency and excess, symptoms.
	4	C4T4- Structure of the Thyroid gland, it's function- Thyroxine, Tri-iodothyronine, Calcitonin. Deficiency nd excess symptoms.
	5	C4T4- structure of Adrenal gland, hormones that release from adrenal medulla and adrenal cortex. Endocrine pancreas- insulin, glucagon and somatostatin functions.
April, 2023	1	C4T4- structure and function of male and female gonads, male and female sex hormones, gametogenesis.
	2	C4T4- Menstrual cycle, hormones controlling menstrual cycle, brief idea about implantation, pregnancy- Role of hormones, changes in physiology.
	3	C4T4- <b>Class test.</b> Parturition, it's stages, role of hormones, Lactation- role of hormones, Menopauase.

	4	C4T4- Structure and functions of voluntary muscles (Skeletal muscle), properties. Structure and functions of involuntary muscles ( smooth muscle).
May, 2023	1	C4T4- Structure and functions of involuntary muscles ( cardiac muscle), properties of smooth and cardiac muscle. Muscle contraction and relaxation.
	2	C4T4- <b>Class test.</b> Structure of neurone, classification, Neuromascular junction (mechanism). Neuroglia, The CNS and PNS.
	3	C4T4- Synapse Classification, mechanism, sympathetic and parasympathetic nervous system. Cerebrospinal fluid.
	4	C4T4- Anatomy and functions of Cerebrum and Cerebellum.
	5	C4T4- Anatomy and functions of Hypothalamus. Blood brain barrier.
June, 2023	1	C4T4- <b>Class test.</b> General idea about nervous reflex.
	2	C4T4-Basic concept of lymphoid organs and the cells of the immunity system.
	3	C4T4-Types of Immunity (Innate and Acquired immunity). Advantage4s and disadvantages.
	4	Revision of previous classes and <b>Class test.</b>
	5	Study Leave.