



Tripura University
(A Central University)

Course Structure of Human Physiology (UG Programme)

As per NEP-2020 under Tripura University

HUMAN PHYSIOLOGY INTERDISCIPLINARY

HP-101 ID

Paper- Fundamentals of Human Physiology (Theory)

Total Mark = 75 (IA = 30 + ESE = 45) Credit = 03

UNIT-I : The unit of life :

1. Basic concept of cell -tissue-organ- system
2. Description of cell and its components, functional morphology of cell
3. Ion channels, receptors, carriers and inter cellular communication
4. Human muscular and skeletal system
5. Basic concept of homeostasis and homeostatic control

UNIT-II : Body fluids and cardio-pulmonary system

1. Blood –its components and functions
2. Components of circulatory systems: heart- structure and functions, blood vessels, cardiac cycle and cardiac output.
3. Blood pressure-its regulation, Hypertension
4. Structure of respiratory tract and mechanism of respiration
5. Lung volume and capacities and regulation of respiration.

UNIT-III : Neurophysiology

1. Nerve, muscle and nerve-muscle physiology
2. Organization of nervous system- receptor and synapse
3. Sensory and motor nervous system
4. Fundamental physiology of vision
5. Fundamental physiology audition