



# **Tripura University**

**(A Central University)**

**Suryamaninagar**

**West Tripura**

**Syllabus for**  
**Four Years Undergraduate Programme Subject:**  
**Human Physiology**  
**(As per NEP-2020)**

## **7<sup>th</sup> Semester (Minor)**

Revised as on October, 2025

**4<sup>th</sup> YEAR**  
**Semester-VII**  
**Paper- 7A (Theory)**  
**HP- 701M**

**Full marks-60 (Internal assessment-24; End Sem. Exam.- 36)**

**Unit-1: Endocrinology-I**

1. Concept of autocrine, paracrine and endocrine system. Anatomical organization of endocrine glands.
2. Hypothalamic releasing factors. Hypothalamo-hypophyseal portal system
3. Histology of pituitary gland. Anterior and posterior pituitary gland hormones and their functions.
4. Hypo and hyper secretion of pituitary hormones.

**Unit-2: Endocrinology-II**

1. Thyroid and parathyroid glands histology, hormones and their functions.
2. Adrenal gland- histology, hormones and their functions.
3. Pancreas - histology, hormones and their functions.
4. Diabetes mellitus-types.

**Unit-3: Reproductive Physiology**

1. Anatomical organization of male and female reproductive organs. Primary and accessory sex organs and secondary sex characters. Physiology of puberty.
2. Histology of testis. Endocrine functions of testis. Spermatogenesis.
3. Histology of ovary. Ovarian hormones and their functions. Oogenesis.
4. Menstrual cycle
5. Fertilization, Implantation and Parturition.

**Paper-7B (Practical)**

**HP- 701M**

**Full marks-40 (Internal assessment-16; End Sem. Exam. -24)**

**CONTENTS:**

1. Study of Models for anatomical position and functions of organs of endocrine glands and reproductive system
2. Study and identification of histological slides of endocrine glands and reproductive system.
3. Study of Charts on—Spermatogenesis and oogenesis.