



**Course Name : Bachelor of Science**

**Discipline : Zoology**

**Self-Learning Course:**

Subject	Credit	Ext =Tot	Subject Code
Human Anatomy and Physiology	5	100 = 100	U1ZYSL51

**SELF LEARNING**

**HUMAN ANATOMY AND PHYSIOLOGY**

**Credit : 5**

**Subject Code: U1ZYSL51**

**Total Marks: 100**

**Unit I**

**Digestion**

Human nutrition -Nutritional requirements for child hood, Pregnancy and lactation. Digestive system - Mechanism of digestion - Malnutrition-Kwashiakar disease.

**Unit II**

**Respiration**

Human respiratory system - Lungs mechanism of respiration - inspiration, expiration- Tidal volume-Vital capacity - Lung diseases - Asthma, Tuberculosis.

**Unit III**

**Circulation**

Human circulatory system – Heart structure-Working mechanism of heart-Arteries, Veins in circulation - blood clotting process - Erthroblastosis foetalis, heart attack.

**Unit IV**

**Excretion**

Excretory system-Kidney, nephorn - Urine formation, Diuresis uraemia and Glycosuia, kidney stones.

**Unit V**

**Reproduction**

Male and female reproductive systems- Puberty-menstrual cycle-Fertilization- pregnancy-parturition-sperm bank, fertility control.

**Text Book**

Text book of Animal Physiology – R.Nagabhusanam, 1999

**Reference book**

Human Physiology - Maltur