

SARDAR PATEL UNIVERSITY
Programme: B.Sc (Home Science)
Semester: IV
(Food Science & Quality Control-Vocational)
Syllabus with effect from: November/December-2012

Theory

Paper Code:UH04CFDN08	Total Credit: 2
Title Of Paper: Anatomy & Physiology	

Unit	Description in detail	Weighting (%)
I	Blood and its composition, blood groups, coagulation of blood, structure and function of heart, heart rate, cardiac cycle, cardiac output, blood pressure and their regulation, circulation of blood (general course of circulation)	15%
II	Gastrointestinal System: Structure and function of various organ of the GI tract, digestion and absorption of food and the role of enzymes and hormones.	15%
III	Reproductive System: Structure and function of Sex glands and organs including hormones, Menstrual cycle, Physiology of pregnancy, parturition, lactation and menopause.	15%
IV	Excretory System: Structure and function of kidney, bladder, formation of temperature of the body.	12%
V	Respiratory System: Structure of respiratory System. Mechanism of respiration.	15%
VI	Nervous System: Elementary anatomy of nervous system. Function of different parts of the brain in brief. Sympathetic and parasympathetic nervous system. Special senses.	10%
VII	Musculoskeletal System: Types of muscles function and structure. Skeletal system formation of bone and teeth. (General idea)	03%
	Endocrine System: Location and general functions of the hormones secreted by them.	03%
VIII	Sensory organs: Eyes, Ears and Skin	12%

Basic Text & Reference Books

- Guyton, A.C, Hall, J. E. (1966) : Text book of Medical Physiology. 9th Ed. Prism Books (Pvt.) Ltd. Bangalore.
- Winword (1988) : Sear's Anatomy and Physiology for Nurses. London, Edward Arno ll.
- Wilson (1989): Anatomy and Physiology and Health and illness,Edinburgh,churchil Livingstone.
- Chatterjee,Chandni Charan (1998):Text book of Medical Physiology

