

# FIRST YEAR T.D.C. ARTS

2015-2016

## HOME SCIENE

	<b>Duration of Exam.</b>	<b>M.M.</b>	<b>Min. M.</b>	<b>Total No. of Hours/ Week</b>
Paper-I: Human Physiology	3 Hrs.	75	27	3
Paper-II: Family Resource Management	3 Hrs.	75	27	3
<b>PRACTICALS</b>				
Prac. II: First-aid and Home Nursing	3 Hrs.	25	09	2
Prac. II: Family Resource Management and Interior Designing	3 Hrs.	25	09	2

## **FIRST YEAR T.D.C. ARTS**

### **HOME SCIENCE**

#### **Paper – I**

#### **Human Physiology**

**Max. M. 75**

**(An Elementary Knowledge of the subject is expected)**

#### **Unit I**

1. Structure, functions and division of a cell. Tissues of the body, General characteristics and functions.
2. Blood: composition, functions, Blood clotting, Blood groups and Blood transfusion.  
Heart : Structure and functions simple Structure of Blood Vessels. Blood Pressure and Pulse rate.

#### **Unit II**

3. Skeleton system:
  - a) Main Bones of the Body
  - b) Functions of bones
  - c) Classification of Joints
4. Skeleton system Joints:
  - a) Structure & functions of Respiration
  - b) Mechanism of respiration
  - c) Tissue Respiration

#### **Unit III**

5. Digestive system: Purpose of digestion. Structure and functions of digestive organs  
Mechanism of digestion and absorption of Proteins, Fats and Carbohydrates
6. Excretory system: Structure and functions of Urinary Tract System, composition of Urine, Abnormal constituents of urine

#### Unit IV

7. Nervous system:
- a) The central nervous system (Brain and spinal cord)
  - b) Peripheral nervous system (Types of nerves)
  - c) Autonomous nervous system
  - d) Reflex arc

#### Unit V

8. Endocrine system: Ductless glands of the body. Hormones definition and their roles. Effect of over and under activity of hormones.
9. Sense Organ:
- Eye : Structure and function
  - Ear : Structure and function
  - Tongue : Structure and function
  - Nose : Structure and function
  - Skin :
    - a) Structure
    - b) Function as sensory organs and Excretory organs

#### References:

1. Evelyn Pearce : Anatomy and Physiology for Nurses
2. Ross and Smity : Anatomy and Physiology for Nurses
3. Taylor : The Living Body
4. कोर्थरन आर्म स्ट्रांग : शरीर सम्बन्धी ज्ञान
5. शीला एवं जैकसम एवं डॉ. लक्ष्मीकान्त : शरीर के लिए शरीर सम्बन्धी ज्ञान
6. इवलिंग पियर्स : शरीर और शरीर क्रिया विज्ञान
7. वृन्दासिंह : मानव शरीर एवं क्रिया विज्ञान
8. संध्या वर्मा : शरीर क्रिया विज्ञान