

FIRST YEAR T.D.C. ARTS

2015-2016

HOME SCIENE

	Duration of Exam.	M.M.	Min. M.	Total No. of Hours/ Week
Paper-I: Human Physiology	3 Hrs.	75	27	3
Paper-II: Family Resource Management	3 Hrs.	75	27	3
PRACTICALS				
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

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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:
- The central nervous system (Brain and spinal cord)
 - Peripheral nervous system (Types of nerves)
 - Autonomous nervous system
 - 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:

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