



Physiology-II
Title: Physiology- II
Subject Code: 234 PHL
Semester: Fourth Semester (second year).
Duration: 2 + 1 Units (5 contact hours) per week.
Aims: This course is designed to impart the fundamental knowledge on endocrinology, digestion, metabolism, renal physiology and reproductive system.
Objectives: At the end of the course the student shall be able to understand about endocrine glands, physiology of urinary, digestive & reproductive system and metabolism.
Contents: Lectures: <ul style="list-style-type: none">• Endocrine system: Pituitary gland, Adrenal gland, Thyroid & Parathyroid glands, Pancreas.• Digestive system: Physiology of GIT, functions of accessory glands of GIT, digestion and absorption.• Metabolism and temperature regulation.• Urinary system: Physiology of urinary system and urine formation, Renin Angiotensin system, acid base balance, clearance tests and micturition and body fluids.• Reproductive system: Male and female reproductive system and their hormones, physiology of menstruation, spermatogenesis & oogenesis, sex determination (genetic basis), pregnancy and maintenance of parturition,



Minimum course requirements: 30 (2 x 15) Unit lectures and 45 practical hours (3 x 15) per level.	
Evaluation methods:	
- Quizzes	15%
- Mid term examination	25%
- Final examination (written)	60%
Text Books (latest editions):	
1- Medical Physiology, Guyton Eonuse.	
2- Concise Human Physiology, Sukar.	
Recommended books (latest editions):	
1- Textbook of Physiology, Donald Doglas.	
2- Laboratory Atlas of Anatomy and Physiology, Eder, D.J., Mosby-Year Book, Inc.	
3- Physiology, John E. Hall.	
4- Review of Medical Physiology, William F. Ganong.	
5- Human Physiology, Davies.	
6- Text book of Medical Physiology, Arthur C. Guyton.	