BBA (HA)

**Ist Year**

**INTRODUCTION TO HUMAN PHYSIOLOGY & ANATOMY**

**Course Objectives**: The objectives of the course are to enable students to learn and tohave a good understanding of Human Physiology & Anatomy, as it is necessary for Hospital Administrators.

**Course Content:**

**Physiology with special reference to Human Body.**

Principles of bio-physics as applicable to the human body . Excitable Tissue –Nerve and Muscle.

Composition of blood, blood groups in human, Coagulation, oxygen and carbon dioxide transport.

Nervous system in human body CNS, Autonomic Sympathetic & Parasympathetic and their applied physiology.

Physiology of reproduction in humans. Reproductive development in human beings,

Function of placenta in human

**General Anatomy with reference to Human Body**

Introduction and Anatomical terms,

**Osteology-**Major Bones, Joints-types and structure of synovial joints likeHip,Knee,Shoulder Joints , Muscles---major muscles of upper and lower limbs **Nervous Systems**----central and peripheral nervous system including A.N.S **Skin** : Structure and function

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| **Thorax:** | Sternum and Ribs, | | | Vertebral | column; lungs, Pleura, , Pericardium ,Blood | | | |
| Supply of Heart, | | Heart Structure, mediastinum | | | |  |  |  |
| **Abdomen and Pelvis** | | | |  |  |  |  |  |
| Sacrum, | Anterior | | abdominal wall, Inguinal region, peritoneum, Spleen, Oesophagus, | | | | | |
| Stomach, | Small | Intestines, Liver and Pancreas, | | | | and Kidney, Ureters, Diaphragm and | | |
| Posterior wall of Abdomen. | | | |  |  |  |  |  |

**Text Readings:**

1.Elaine N Marieb-**Essentials of Human Anatomy & hysiology**,8e(Indian Reprint)Pearson Education

2.Elaine N Marieb-**Human Anatomy & Physiology**(**With Atlas),**6e(Indian Reprint)Pearson Education

3. Essentials of Human Anatomy I B Singh Jaypee Bros.

4. B.D.Chaurasia Human anatomy

1. Marieb-**Essentials of Human Anatomy & Physiology**-Pearson Education, 2009