

**SABBHAVNA COLLEGE OF MANAGEMENT & TECHNOLOGY  
VILLAGE JALALDIWAL, RAIKOT , LUDHIANA (PB)**

**Subject Name - human anatomy & physiology**

**Subject Code-1994**

1. Scope of Anatomy and Physiology. Definition of various terms used in Anatomy.
2. Structure of cell, function of its components with special reference to mitochondria and microsomes.
3. Elementary tissues of the body, i.e. epithelial tissue muscular tissue, connective tissue and nervous tissue.
4. Structure of function of Skeleton. Classification of joints and their function, joint disorder.
5. Composition of blood, functions of blood elements. Blood group and coagulation of blood. Brief information regarding disorders of blood.
6. Name and functions of lymph glands.
7. Structure and functions of various parts of the heart. Arterial and venous system with special reference to the name and positions on main arteries and veins. Blood pressure and its recording. Brief information about cardiovascular disorders.
8. Various parts of respiratory system and their functions. Physiology and respiration.
9. Various parts of urinary systems and their functions. Structure and functions of kidney. Physiology of urine formation pathophysiology of renal diseases and oedema.
10. Structure of skeletal muscle. Physiology of muscle contraction. Names, positions, attachments and functions of various skeletal muscles. Physiology of neuromuscular junction.
11. Various parts of central nervous system, brain and its parts, functions and reflex action. Anatomy and physiology of autonomic nervous system.
12. Elementary knowledge of structure and functions of the organs of taste, smell, ear, eye and skin. Physiology of pain.
13. Digestive system names of the various parts of digestive system and their functions. Structure and functions of liver, physiology of digestion and absorption.
14. Endocrine glands and hormones. Location of the glands, their hormones and functions.
15. Reproductive system - Physiology and Anatomy of Reproductive system.

WE BUILD  
HUMAN CAPITAL