

Paper-1
Anatomy & physiology

Part- A

Unit- 1

Introduction to the human body, body regions, planes and cavities.

Necessity of the knowledge of anatomy and physiology.

Unit- 2

General structure and functions of cell.

Tissue - its types and functions.

Unit-3

Musculoskeletal system :- number & types of muscles , general features of each type of muscle. General features of bones, Number of bone in each part of body, types of bones, Bony joints, types of joints and joint movements.

Unit- 4

Respiratory system:- Structure and functions of nose, nasal cavity, trachea, bronchi & lungs in detail.

Unit-5

Nervous system- classification, anatomy and physiology of nervous tissue, brain- cerebrum, cerebellum, brain stem, diencephalon, spinal cord. Brief introduction of nerve impulses & reflexes. Brief anatomy & Physiology of special senses.

Unit-6

Introduction of dosha, dhatu & mala.

Part- B

Unit- 1

Cardiovascular system- anatomy & physiology of heart. General & pulmonary circulation

Unit- 2

Digestive system-Brief anatomy & physiology of stomach, small intestine, large intestine, liver, spleen, gall bladder, pancreas.

Unit- 3

Endocrine system :- Number and sites of ductless glands in male & female body.

Brief introduction of pituitary, thyroid, adrenal, pancreas.

Unit- 4

Genitourinary system- Anatomy & physiology of kidney, ureter, urinary bladder, male & female urethra. Male & female genital organs- ovary, uterus, testes.

Unit- 5

Concept of anatomy in yoga- panchkosh, chakra, ida, pingla, sushumna nadi. General description of physiological effect of yogic & naturopathic processes on each system of human body.