

## GENERAL HISTOLOGY

- 1 - Structure of the cell.
- 2 - Cell membrane structure.
- 3 - Cell nucleus and nucleolus.
- 4 - Intercellular junctions.
- 5 - Cell organelles.
- 6 - Cell inclusions.
- 7 - Cell cycle. Cell division.
- 8 - Epithelial tissue: definition, classification and functions.
- 9 - Cross striated muscle tissue, rhabdomyocyte.
- 10 - Structure of myofibril and sarcomere.
- 11 - Cross striated muscle tissue in the heart, cardiomyocyte.
- 12 - Mechanism of contraction in striated muscles tissue.
- 13 - Smooth muscle tissue, leiomyocyte.
- 14 - Structure of nerve tissue; structure and types of neurons.
- 15 - Sheaths of neurite (axon). Synapse. Neurotransmitters.
- 16 - Neuroglia – types, functions, occurrence.
- 17 - General structure of connective tissues (CT), compartments of CT.
- 18 - Connective tissue proper - types and example of their occurrence.
- 19 - Connective tissue proper cells – types, functions.
- 20 - Cartilage – structure, types, example of their occurrence.
- 21 - Bone tissue – structure, types. Periosteum, endosteum.

## SPECIAL HISTOLOGY

- 1 - Erythrocytes – cytol. characteristic.
- 2 - Granulocytes – cytol. characteristic; DWCC.
- 3 - Agranulocytes – cytol. characteristic; DWCC.
- 4 - Thrombocytes – cytol. characteristic.
- 5 - General structure of blood vessels.
- 6 - Blood capillaries – types, occurrence.
- 7 - Histogenesis of bone tissue (endochondral and membranous ossification).
- 8 - Structure of skeletal muscle. Motor-end-plate.
- 9 - Brain cortex: histological structure.
- 10 - Cerebellum: histological structure.
- 11 - Medulla spinalis: histological structure.
- 12 - Peripheral nerve and ganglion: histological structure.