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 neurit (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, occurence.

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.