**Questings for examination**

**Cytology & Embryology**

3. Basic elements of the cytoplasm. Cytoskeleton
5. Synthetic apparatus of the cell.
6. Apparatus of the intracellular digestive.
7. Non-membranous organelles.
10. Spermatogenesis & oogenesis
14. Differentiation of the ectoderm.
15. Differentiation of the mesoderm.
16. Differentiation of the entoderm.
17. Extra embryonic organs.
18. Placenta

**Tissue**

1. Basic elements of the tissues. Classification of the tissues.
2. General characteristic of epithelial tissues. Classification of epithelia.
3. General characteristic and functions of covering epithelia. Regeneration of epithelium
7. Types of the cell junction
10. Formed elements of the blood. Hemogramm.
16. Lymphocytes. Their structure and functions.
17. Antigen-independent differentiation of lymphocytes.
20. Reticular, myeloid and lymphoid tissues.
23. Loose connective tissue. Its cells and intercellular substances.
24. Dense connective tissue. Morphological characteristic.
25. Connective tissue with special characteristics.

Organs
3. Peripheral nervous system. Sensory and autonomic ganglia. Peripheral nerves.
4. Cerebellum.
5. Brain stem and cerebral cortex.
7. Structure of the eyeball’s layers. Characteristic of the retina’s neurons
10. Arteries (elastic, muscular, muscular-elastic types). Veins (muscular and unmuscular types).
15. Thyroid gland: embryogenesis, tissue, structure, functions. Molecular mechanism of secretory cycle of thyroid cell.
25. Thymus: structure, development and functions.
26. Lymphatic node.
27. Spleen: structure, functions, features of blood supply.
35. Skin and its derivates.
37. Lungs.