**Teaching unit 5**

**Questions**

1. Activation of B lymphocytes by antigens and other signals
2. Phases and types of humoral immune response
3. The subsets of В lymphocytes. Antibody response to T-independent antigens
4. Mechanisms and functional consequences of helper T lymphocytes and B lymphocytes interaction in response to T-dependent antigens
5. Isotype switching and affinity maturation
6. Properties of antibodies that determine their effector function
7. Neutralization of microbes and microbial toxins. Antibody-mediated opsonization
8. Antibody-dependent cellular cytotoxicity. The role of IgE in eosinophil- and mast cell-mediated reactions
9. The complement system. Pathways of complement activation
10. The late phase of complement activation
11. Functions of complement system
12. Regulation of complement activation