**Teaching unit 8**

**Effector mechanisms of humoral immunity**

**Questions**

1. What regions of antibodies are responsible for antibody functions?
2. Explain the neutralization of microorganisms and toxins by antibodies
3. Explain the role of antibodies in opsonization
4. Describe antibody-dependent cellular cytotoxicity
5. Explain IgE and IgA in reactions mediated by eosinophils and mast cells
6. Activation of the complement system by the classical pathway
7. Activation of the complement system by the alternative pathway
8. Activation of the complement system by the lectin pathway
9. Late phase of complement system activation
10. Effector functions of the complement system
11. Explain the regulation of the complement system
12. Diseases resulting from deficiency of certain components of the complement system and diseases resulting from deficiency of regulatory proteins of the complement system
13. The role of antibodies in special anatomical locations: mucosal immunity and fetal and neonatal immunity