Questions for the concluding class on the topic:
«Medicinal plants and raw materials containing simple phenols and anthracene derivatives».

1. Phenolic compounds. Concept of glycosides, their structure, classification. Distribution in the plant world.

2. Physical and chemical properties of phenolic compounds.

3. Simple phenols. Chemical classification of simple phenols compounds. Physical and chemical properties of this group of biological active substances.

4. Methods of isolation of simple phenols from raw materials. Qualitative and quantitative analysis of raw materials containing simple phenols.

5. Medicinal plants and raw materials containing simple phenols:

- *Vaccinium vitis-idaea*;
- *Arctostaphylos uva-ursi*.

6. Anthracene derivatives, their classification. Distribution in the plant world.

7. Physical and chemical properties of anthracene derivatives.

8. Methods of isolation of anthracene derivatives from raw materials. Qualitative tests.

10. Quantification of anthracene derivatives in raw materials.

11. Medicinal plants and raw materials containing anthracene derivatives:

- species of *Digitalis (Digitalis purpurea, Digitalis grandiflora, Digitalis lanata);*
- *Frangula alnus;*
- *Rhamnus cathartica*;
- species of *Cassia;*
- *Rheum palmatum.*

20. **Formulas:** phenol, resorcinol, pyrocatechin, hydroquinone, salicylic acid, floroglucin, arbutin, methylarbutin, anthracene, anthranol, anthrone, anthraquinone, chrysacin (emodine), alizarin.