QUESTIONS FOR SELF-CONTROL

1. What are the most purified phytopreparations?

2. What is the general technological scheme for obtaining the most purified phytopreparations?

3. What are the requirements for extractants when obtaining the most purified phytopreparations?

4. What is the principle of choosing a method for extracting plant raw materials?

5. What is the purpose of the purification of the obtained extracts?

6. Describe the process of selective "salting out" of high molecular weight compounds. What is its mechanism?

7. How is the recovery of the extracts carried out by changing the solvent?

8. Describe the process of purification of extracts by dialysis and electrodialysis methods.

9. Characterize the process of liquid-liquid extraction. What is the driving force behind this process? Give the equation for the distribution coefficient.

10. List the steps in the liquid-liquid extraction process.

11. What are the main types of extractors?

12. What is the structure and principle of operation of the apparatus with a stirrer, extractors: gravitational, hollow spraying, packed, rotary disk, pulsating and centrifugal?

13. Give the definition and characteristics of the adsorption process.

14. Name the adsorbents that are used in pharmaceutical technology to purify extracts.

15. What is the structure and principle of operation of batch and continuous adsorbers?

16. How is the purification of extracts carried out using ion exchange chromatography?

17. What is the technology for obtaining adoniside, lantoside, digalene-neo, korglikon, plantaglucide, flamin, raunatin and ergotal?