

Questions for the concluding test on the topic:

"Medicinal plants and raw materials containing alkaloids".

1. Alkaloids. Concept. Classification.
2. Biological role of alkaloids in plants. Distribution of alkaloids in plant world, distribution in plant.
3. Dynamics of formation of alkaloids in the process of plant development. Influence of environmental factors on the content of alkaloids in plants.
4. Physical and chemical properties of alkaloids. Extraction of alkaloids from medicinal plant raw materials.
5. Qualitative analysis of raw materials containing alkaloids.
6. Quantitative analysis of raw materials containing alkaloids.
7. Features of harvesting, drying and storage of raw materials. Ways of using raw materials containing alkaloids.
8. Medicinal plants and raw materials containing acyclic alkaloids and alkaloids with nitrogen in the side chain:
 - Ephedra equisetina
 - Capsicum annuum
 - Colchicum speciosum
9. Medicinal plant and raw materials containing pyrrolizidine derivatives:
 - Senecio platyphylloides
10. Medicinal plants and raw materials containing pyridine, piperidine derivatives:
 - Anabasis aphylla
11. Medicinal plants and raw materials containing alkaloids with condensed pyrrolidine and piperidine rings:
 - Species of Atropa
 - Hyoscyamus niger
 - Species of Datura
 - Erythroxylum coca
12. Medicinal plants and raw materials containing quinoline derivatives:
 - Species of Cinchona
13. Medicinal plants and raw materials containing isoquinoline derivatives:
 - Berberis vulgaris
 - Papaver somniferum
 - Chelidonium majus
14. Medicinal plants and raw materials containing indole derivatives:
 - Claviceps purpurea
 - Vinca minor
 - Catharanthus roseus
15. Medicinal plants and raw materials containing quinazoline alkaloids:
 - Peganum harmala
16. Medicinal plant material containing purine alkaloids:
 - Camellia (Tea) sinensis
 - Species of Coffea
17. Medicinal plants and raw materials containing steroidal alkaloids:
 - Species of Veratrum
19. Medicinal plant material containing imidazole:
 - Pilocarpus